

Appendix 1

Extracts pertinent to the islands of Beata, Saona, Tobago, Tortola, and Trinidad in facsimile of the travelogue written by P.H. Dorsett during the 1931-1932 plant hunting expedition to the Caribbean Islands and Guianas on board the research yacht *Utowana* (Dorsett, 1936). The document has been annotated, and notes are listed at the end of the facsimile. Travelogue is part of an expedition report that was finished on February 11, 1936 (see p. 864)

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[Vol. 74]

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ALLISON V. ARMOUR
AGRICULTURAL EXPEDITION
1931-1932

VOLUME 1

FOR THE
UNITED STATES DEPARTMENT OF AGRICULTURE

WITH THE
YACHT UTOWANA

VISITING ISLANDS OF
THE

BRITISH WEST INDIES
ALSO
BRITISH AND DUTCH GUIANA.

INTRODUCTION

The latter part of October or early in November, I was, advised by Dr David Fairchild, that Mr. Allison V. Armour with his Yacht Utowana, would more than likely make a trip to the Caribbean region, Dutch, British and French Guiana, for the United States Department of Agriculture. He explained that the primary object of the expedition is to search for the wild relatives of cultivated cotton, also varieties of palms native to the regions, visited, as well as new, rare and valuable plants deemed worthy of introduction and trial in the United States, and its possessions.

The personnel of the expedition, under consideration at the time, included, Dr. David Fairchild, Dr. O. F. Cook and P.H. Dorsett, of the Bureau of Plant Industry, also Mr. L.R. Toy, with the Branch Experiment Station of the Agricultural Experiment Station at Gainesville, Florida. The duration of the trip was reckoned at about three months, more or less.

Before the details of the proposed expedition were completed for submission to the Secretary for his consideration and approval, Dr. Cook decided that it would not be possible for him to leave Washington, during the time indicated, the latter part of December to sometime in April 1932 and designated Mr. H. F. Loomis of his Office, located at the U. S. Plant Introduction Garden, at Chapman Field, near Coconut Grove, Florida to take his place.

The latter part of November 1931, Mr. Allison V. Armour came to Washington and conferred with Mr. Knowles A. Ryerson, Dr. W. A. Taylor, Dr. David Fairchild and the Secretary of Agriculture

relative to the final details of the expedition. As a result of this conference, Dr. Taylor, Chief of the Bureau of Plant Industry, in a memorandum to the Secretary, outlined in detail more or less detail, the regions to be visited and the work to be undertaken.

A copy of the approved memorandum and also one from Mr. Henry E. Allanson, Assistant Chief of the Bureau, concerning the same, follow.

COPY

OFFICE OF THE CHIEF OF BUREAU

November 23, 1931.

MEMORANDUM

Regarding the Proposed Ninth Allison V. Armour Expedition to British and Dutch Guiana and the West Indies.

Dear Mr. Secretary:

Mr. Allison Armour has once more offered to assist the Department by placing his boat at its disposal for a plant-collecting trip in the Caribbean region, the purpose being to visit out of the way islands in the Bahamas and other West Indian groups which cannot be reached by passenger steamers and collect there native species of cotton which are likely to be of interest in relation to the botanical problems and may prove of great practical use in the United States.

Several distinct species of cotton are native to the West Indian region, including the Bahama Islands. The long staple Sea Island type of cotton, formerly cultivated in the South Atlantic States, is believed to be of West Indian origin, but it is not certain whether the original stock of seed was introduced from Barbados or from the Bahamas and it is highly desirable that someone familiar with these cottons study the conditions there and collect the cottons in this region.

Because of the delay in the start of last year's expedition and the necessity of additional time being spent on the west coast of Mexico, where valuable new varieties of corn and cotton were found, the expedition was not able to spend the amount of time planned in the West Indies so that this area was practically untouched by the expedition and is still a relatively new field.

In addition to the cottons, the expedition would expect to secure valuable plants from the old private and official gardens in the British West Indies and the Guianas where have been gathered for a century collections of useful and ornamental plants

from many parts of the world. The growing importance of house palms for the decoration of our homes offers a new commercial possibilities for nurserymen and there is a keen demand for new varieties which, owing to the plant quarantine regulations, private individuals are prohibited from importing. The region visited is known to have species that have promise for commercial exploitation.

With the development of the Florida area, there has come a demand for shade trees, cover crops, potential rubber plants, tropical fruits, tropical vegetables, fiber and tannin plants which may prove suitable for cultivation in that State and, if annuals, in the whole Gulf States area. The Wet Indian Islands and the north coast of South America contain many forms of promise from which seeds and cuttings can be obtained. These cannot be imported by private individuals because of the quarantine regulations, and there is a growing demand for their introduction.

Such government agencies as exist in these regions, while willing to assist us, are not in a position to evaluate the importance of the various species- only our trained experts, familiar with conditions in the Lower South, can do so by an actual study of them where they are grown.

Area-The field to be covered by the expedition includes the Bahama Islands, the Leeward and Windward Islands, Trinidad and the British, Dutch and possibly French Guianas on the north coast of South America.

Personnel- The members of the proposed party are David Fairchild and P.H. Dorsett of the Division of Foreign Plant Introduction, and H. F. Loomis of the Division of Cotton, Rubber and Other Tropical Plants.

Travel - The Department's representatives will join the boat at Miami, leaving from Florida about January 1, 1932, and returning to that port at the close of the expedition about April 1, 1932.

Expenses - All subsistence and travel on the boat will be supplied by Mr. Armour as will also traveling expenses from Washington, D. C., to the boat for Mr. Dorsett. Such travel and incidental expenses ashore from the boat and shore subsistence, to the amount of \$500.00, will be carried equally by the regular appropriations of the Division of Foreign Plant Introduction and the Division of Cotton, Rubber and Other Tropical Plants. Salaries will be borne by the respective Divisions.

Handling of Material - The material relating to cotton and rubber plants will be delivered to the Division of Cotton, Rubber and Other Tropical Plants together with complete collections of palm material for botanical study. All other material, including palm seed for growing and distribution will be handled by the Division of Foreign Plant Introduction.

Very truly yours,

(Signed) W. A. Taylor
W. A. Taylor,
Chief of Bureau.

Approved,
(Signed)
A.M.H.

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6.30 Sunday morning and our good yacht, the Utowana is still gracefully plowing her way through the clear blue water of the sea along the southern shore of the island of Haiti.

Mr. Armour, during breakfast, advise that we should reach Beata by about 10 o'clock. However, it was not until 11.30, or there about, that we dropped anchor to the eastward of Beata and not more than about a quarter of a mile from shore.

As can well be imagined, all aboard, especially the ladies and members of the expedition, were wild with excitement. Field glasses were brought into play and trained upon the shores of this uninhabited island in a vain attempt, as it were, to explore her from a distance and the air was filled with ejaculations of surprise, wonder and admiration. The gang were almost beside themselves with excitement and an urgent desire to get ashore to see what each could see and find. However, owing to the lateness of the hour Mr. Armour suggested that we have an early lunch and then go ashore for the remainder of the evening. He further advised that lunch would be served at 12 o'clock noon or possibly a little later.

In the interum between that and noon when lunch was announced, every field glass available was trained upon Beata's shore and each person, in turn

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or all together were announcing their find. One called attention to the flocks of large birds flying back and forth along the shore and from which very frequently one appeared to fall into the sea; another called attention to the sheer rocky cliffs to the right, which appeared to ascend upward, from the waters edge, to a hundred feet or more; One thought he saw a lovely flowering shrub among the brush and still another got a glimpse of something bright along the shore. In the midst of all this excitement Dr. Fairchild, who for some little time, had been scanning the native plant growth upon the rocky cliffs exclaimed, Oh "By Gad", "A new palm". It has a long

slender stem and waves about in the wind like a grass-reed and is crowned with a small cluster or head of leaves, which extend well above the brush. Loomis, the palm specialist, while more or less non-committal was almost frantic with excitement. The feeling of suspense and the passionate desire to get ashore ran high, and I really believe that, if any one had plunged overboard and headed for shore, the entire expedition party, including the lady guests, would have followed and then there would have been a grand free for all in a contest to see who would first reach shore.

The attraction of the land in front of us, uninhabited and unexplored was far greater than the crav-

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ing for something to eat and as a result when lunch was served, it was more or less hurriedly finished and I cannot help but wonder how Earnest, the first chef on the Utowana who has served us so exceptionally well, feels about our apparent indifference to the nice lunch he served.

Almost immediately after lunch, Mr. Armour took us all, with all of our equipment, aboard the Starboard Launch and drove us to the extreme western end of the Island to see the high bluffs and the slender palms growing at their tops. He then returned along the shore, but at a safe distance from it, to within a short distance of the eastern extremity of the island and there landed us in safety on a gently sloping, sandy beach.

In view of the fact that the island is uninhabited, and the probability of there not being any trails through the brush, Mr. Armour suggested, as a matter of precaution, that all proceed to the extreme end of the low land at the East and then work westward abreast and nearenough together so as to always be in hailing distance and at the same time make a clean sweep of the area covered, in so far as getting plant material is concerned. Then tomorrow, if we return, we could commence where we leave off today. We had proceeded very far on these suggestions, before all

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were scattered here and there in the bush and Mr. Armour was proceeding as arranged but alone. He left the rest of us to our own sweet will but proceeded, in so far as he was concerned, to carry out the arrangements as planned. I think that it is fair to assume that we will, more than likely, hear from him later concerning this matter, and we did for at supper in the evening Mr. Armour did not refrain from calling our attention to the eager, haphazard, illadvised and unworkman like way we went about exploring the unknown bush.

I am in hearty accord with Mr. Armour, and have reason to believe that all the rest of the party are of the same mind. However, regardless of this seeming indifference to good sound suggestions, and the unbusiness-like way in which the work of the afternoon proceeded. We were all delighted, had a most wonderful time and secured a nice lot of seed and other plant material and also got a nice lot of interesting pictures.

Mr. Loomis, as perhaps was naturally to be expected, at the very first opportunity headed for the high bluffs and the tall growing, slender palms and as a result brought back, some seed which we hope will ripen. He also brought back one of the palms. The stem measured 3 inches in diameter and

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27 feet in length. The palm is apparently a species, perhaps new or at least not introduced into the United States, of Coccothrinax ^{179.1} and quite possibly is native here.

Among other interesting plant material secured during our evenings exploration upon the island are the following.

Seed and herbarium specimens of a white and brownish tinged, lint cotton. ^{179.2} This was growing in considerable quantity, on the rather narrow sandy area between the waters edge near where we landed and the low coral lime stone bluff several hundred feet back. Mr. Loomis is of the opinion that it is a variety which has escaped from cultivation.

A little ways back from the waters edge, near where we landed was a fairly good size, one room, grass thatched house, and near by there were a number of poles set in the ground. ^{179.3} This perhaps was the temporary quarters of hunters or fishermen, more likely the latter. Still it may have been hunters, for we saw several Iguanas, of good size, and also found signs of either sheep or goats, more likely the latter.

Seed, herbarium specimens and cuttings of a small leaf, white flowered Frangipani, Plumiera obtusa, to which we gave #2608. ^{179.4}

Plant propagating material of a very odd,

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spiny and interesting cactus. Opuntia moniliformis,
180.1

See pictures #57753-65.

Seed and herbarium specimens, \$2612, of
180.2
vigorous growing vine, which grown in abundance on
sandy land just back from the sea. The vines produ-
ce pinkish purple flowers and large bean like pods
which contain large brown seed. Canavalia maratima.

Herbarium specimens but no seed of a her-
baceous, spiny, scanden shrub, to the height of 20
180.3
or possibly more. The long brownish-red pods show
a red fleshy interior when the seed are dehissed. We
will try and find seed tomorrow.

The numerous birds observed from the deck
of the yacht, before getting ashore, proved to be
pelicans. Great numbers of them are nesting in the
higher bluffs of the island.
180.4

The entire shore of the island, in so far
as we saw during the afternoon, is lined with great
numbers of conch shells, in some places the ridges
are 25 feet or more wide and look to be several feet
180.5
in thickness. This is an edible shell-fish and there
presence of this vast quantity of shells along the
shore, perhaps is evidence of a previously large
occupation of this island.

We found growing on the low lime stone
cliff, only a thousand yards or so to the West of

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the grass thatched hut and the point where we came ashore, a malvaceous shrub, some 12 to 15 feet in height and covered with large, showy, cream to light yellow tinged flowers. ^{181.1} The flowers measured 3 to 4 inches across and were most spectacular. We aill send in cuttings as a species of Montezuma, but it may be something quite different. In my oppinion, it is by all odds the most spectacular and best find of the day, or for that, thus far on the trip.

A couple of the pictures made today follow, but most of them will be included with those we hope to make tomorrow.

I neglected to record that Mr. Armour returned, to the yacht rather early in the afternoon and he, the Captain and some of the seamen went for a short fishing trip a short distance off the Beata coast.

Their luck was good and they bagged a nice lot of fish, among them an 8 and 10 pound Red Snapper. They also got some good size Baracuda, A vicious, fish which many refuse to eat. Mr. Armour told us that Mr. Mott always called them the "Wolves of the sea"

While at supper Mr. Armour said that he would break anchor in the morning and go around on the westward side of the island, where it is more or less sheltered and he thinks better anchorage. He is also of the opinion that the conditions for our exploration work on that side will be better than here.

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Negative #57752. A Dish of Langouste. This excellent and most attractive dish was prepared by Earnest, who is holding it. It was served at luncheon and much enjoyed. Earnest has served Mr. Armour as head steward for almost 40 years.



Negative #57753. Opuntia moneliforme. "The Three Fates". View of three very odd but extremely interesting cactus, growing on the coral lime stone rocks, on Beata Island. On old plants the spines are 8 to 10 inches in length.

182.1

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Negative #57754. Coccothrinax sp. 183.1

View of the upper portion of one of the slender stem palms on the coral lime stone cliff at the western end of Beata. Looking from the island out to sea.

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All were up early this morning for they were still full of excitement and extremely anxious to get ashore and into the brush.

Immediately after breakfast Mr. Armour took the small launch and drove us around to the West side of the Island. However before leaving he instructed the Captain to take the Utowana to the West side of Beata and anchor in a convenient location there.

The ride to the West shore side of the island, in the early morning, was simply grand and was much enjoyed. On the west side the land extends for a

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considerable distance to the southward in a rather low but somewhat rolling area with higher ground in the distance and to the northward it rises more or less abruptly to the tall lime stone cliffs at the extreme northern portion. On the nearby higher areas could be seen, many of the slender growing palms, with their heads towering well above the brush. ^{184.1}

Mr. Armour landed the party on a sandy beach in a sheltered spot a couple of miles, or such a matter, from the lime stone cliffs at the North end of the island and we did not lose much time in digging into the brush.

We found on this coast the remains of a camp fire and also a string of poles set in the sand, about 20 feet apart. Probably, in season, fishermen assemble here and dry fish on lines stretched from pole to pole. The beach on this side, as on the eastern shore, is practically lined with long ridges of ^cConch Shells ^{184.2}

It is difficult to imagine where the millions of these large shells came from and what happened to their inhabitants.

One of the first things we ran across in the morning was ripe seed of the scandant shrub with long pods and a red fleshy interior. This we numbered ^{184.3} 2607. It may prove to be of interest and value as an ornamental vine in South Florida and Southern California.

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We saw a lot of very fine and attractive Bromelias and secured seed and a picture of one which impressed us as worthy of trying to introduce. We also secured an additional small amount of seed of the slender growing palm but none of the seed we have thus far gotten looks very promising.

Up on top of the lime stone cliffs, at the northern end of the island Mrs. Fairchild found a Very handsome bush of celastrus in full fruit. It impressed us as being quite different from any that we recall at home, so secured seed (2606) and also a couple of pictures for our report.

Seed of Tribulus cistoides, a plant growing in, what looked to be, pure shell sand were secured because we thought it might be valuable as a cover crop. We also secured tubers, herbarium specimens and pictures of an interesting and very attractive, small red flowered honey suckle. This plant was growing in a small pot hole, in a small amount of sand, on top of the tall lime stone cliffs. We identified it as Ipomea heptaphylla. If it will succeed in South Florida or Southern California it should make a striking ornamental vine for almost any situation where a vine is desired.

We obtained seed and herbarium specimens of Indigofera suffruticosa, which may prove to be of interest to Mr. Roland McKee, who is working on green manure and cover crop plants.

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All returned to the Utowana at noon, more or less fagged but pleased and very well satisfied with the mornings work. After a good lunch, which was immensely enjoyed by each and every one of us, for the mornings tramp whetted our appetite to a keen and biting edge, we proceeded as follows.

Dr. Fairchild and Dorsett remained aboard and worked with the plant material collected yesterday afternoon and this morning, Mr. Armour, Miss. Nancy Bell Fairchild, Loomis and Toy and several of the crew, went in one of the small launches to the eastern portion of the island, so that Mr. Loomis could secure an additional amount of the cotton seed, we found in that region yesterday. When they returned later in the evening they brought with them 2 Iguanas, each some three feet or more in length and weighing 15 pounds each. They also had a couple of fine Red Snappers and three "Wolves of the Sea" Baracutas, some 3 feet or more in length.

Our explorations on Beata covered a fairly wide area, perhaps 500 to 1000 feet inland along practically the entire eastern portion and a strip of about the same width and a couple of miles or so along the northwestern shore. We did not get into the interior, to speak of, and nothing along the eastern, western or southwestern shores. I, personally, would like to remain longer and cover more of the island, but time

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is flying and we must be moving on, especially if we are to get back to Washington early in April, as original planned.

Our next part of call is at the island of Saona, to the South of the southern most part of ^{the} Dominican Republic and is something like a 22 hour run from Beata. Consequently we will remain at anchor here during the night and get away sometime after breakfast tomorrow.

The pictures made today follow.



Negative #57755. Bromelia sp. 187.1
The handsome plant at the right, with a long flower spike of seed is the one we thought worthy of introduction. Note the peculiar and general appearance of the brush. The going is slow and arduous.
This is one of Mrs. Fairchild's finds.

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188.1

Negative #57756. Land and water scape. This picture was taken from within some 10 or 12 feet from the Bromelia plant shown in the previous picture and is looking along the western shore of Beata. The Utowana is anchored to the right but out of range of the camera, for what I desired to show.



188.2

Negative #57757. Celastrus sp. A nearby view of a portion of the fruiting shrub on the lime stone bluffs to the northern end of the island. Many of the seed pods have opened and the small red seed make a charming appearance.

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Negative #57758. Celastrus sp. 189.1

A nearby view of a small branch from the shrub shown in the preceding picture. The lovely pinkish seed pods and small, bright red see do not show to advantage in the picture



Negative #57759. Ipomea sp. (heptophylla) 189.2

The tangled vine of the red flowered morning glory.

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Negative #57760. Clusia rosea.

A nearby view of a portion of a flowering branch and a few unripe fruit of this thick leaved evergreen. The outer edges of the flowers are of a pinkish red color and both in the bud and open they are very handsome. ^{190.1}



Negative #57761. Capparis flexuosa.

View of a portion of the vine and closed and open seed pods of the scandent shrub mentioned in yesterday and today's field notes. Note that the leaves of the two twigs are quite different, otherwise the plants look alike. ^{190.2}

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Negative #57762. Pelicans. 191.1

A poor picture of a few of the very many Pelicans we saw at Beata island. The water at the shore along the rocky beach was almost, literally alive with minnows.



Negative 57763. Grass Thatched Hut.
This shows the grass thatched hut on the eastern shore of Beata island, to which reference is made in yesterday's notes.

Miss Nancy Bell Fairchild stands at the door and perhaps is wondering if this could be love in a grass thatched hut, in nature's setting. 191.2

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Negative #57764. *Plumiera obtusa*.
Miss. Nancy Bell Fairchild holding a cluster flower-
ing branches of the small white flowered form which
grows in abundance on the lime stone cliffs at the
eastern end of Beata island. ^{192.1}

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193.1

Negative #57765. Opuntia moniliformis.

A nearby view of an interesting and peculiar looking cactus. The pads are oddly curved and they and stem of the plant are completely covered with spines. The spines on the older plants are sometimes 8 to 10 inches in length.



193.2

Negative #57766. Montezuma sp.

Miss. Nancy Bell Fairchild holding flowering branches of the spectacular flowering shrub found yesterday in the east side of Beata island. It's the find of the trip, so far.

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Negative #57767. Montezuma sp.
 Mr. L. H. Toy standing on the low lime stone cliff beside the bush from which branches shown in the previous picture were cut. The bush is about 12 feet in height and covered with seed pods, (unripe) and large 4 inch creamy colored flowers and a long protruding yellow pistil. See picture 57768, below.

194.1



Negative #57768. Montezuma sp.
 A nearby view of a few of the large hibiscus like flowers. Just back of the flowers are a number of unripe seed pods.



195.1

Negative #57770. *Coccothrinax* sp.

Mr. Harold Loomis standing near a fine specimen of the small stem, tall growing palm, which may prove to be a new species or at least one which, as yet, has not been introduced into the United States.



Negative #57771. Conch shell by the million.

Miss. Nancy Bell Fairchild standing on a firm foundation
Conch shell on the eastern shore of the island of Beata.
She is looking to sea and northward and perhaps dreaming,
who knows?

195.2



Negative #57772. Conch Shells. 196.1

This picture is so very much like the previous one that the ledgen there will serve as well here.



Negative #57773. Guaiacum sanctum. Miss. Nancy Bell Fairchild gathering see of a variety of Lignum Viti. The small tree is also in full flower. Herbarium specimens were also secured. 196.2

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197.1

Negative #57774. Guaiacum sanctum.
View of a Lignum viti tree growing in a ridge of Conch
shells between the sea shore and the base of the high
coral lime stone cliffs on Beata.



197.2

Negative #57775. Coccothrinax sp.
This specimen of the slender stem, tall growing palm, it
will be seen, is growing in the lime stone rock at the
base of the tall cliffs, immediately in the back ground.

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Negative #57776. Cocothrinax sp. 198.1

A fine specimen plant of the slender stemmed, tall growing palm on the lime stone cliffs near the North West end of Beata. The background is the sea.



Negative #57777. Cocothrinax sp.
view showing the same palm, that is shown above from another angle and with another background. This palm when well grown is a beauty.

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Negative #57778. Dr. David Fairchild. The Doctor is intent on studying the vile of alcoholic specimens. What looks to be a rosette on his helmet is a large sea snail, which apparently is making itself very much at home.



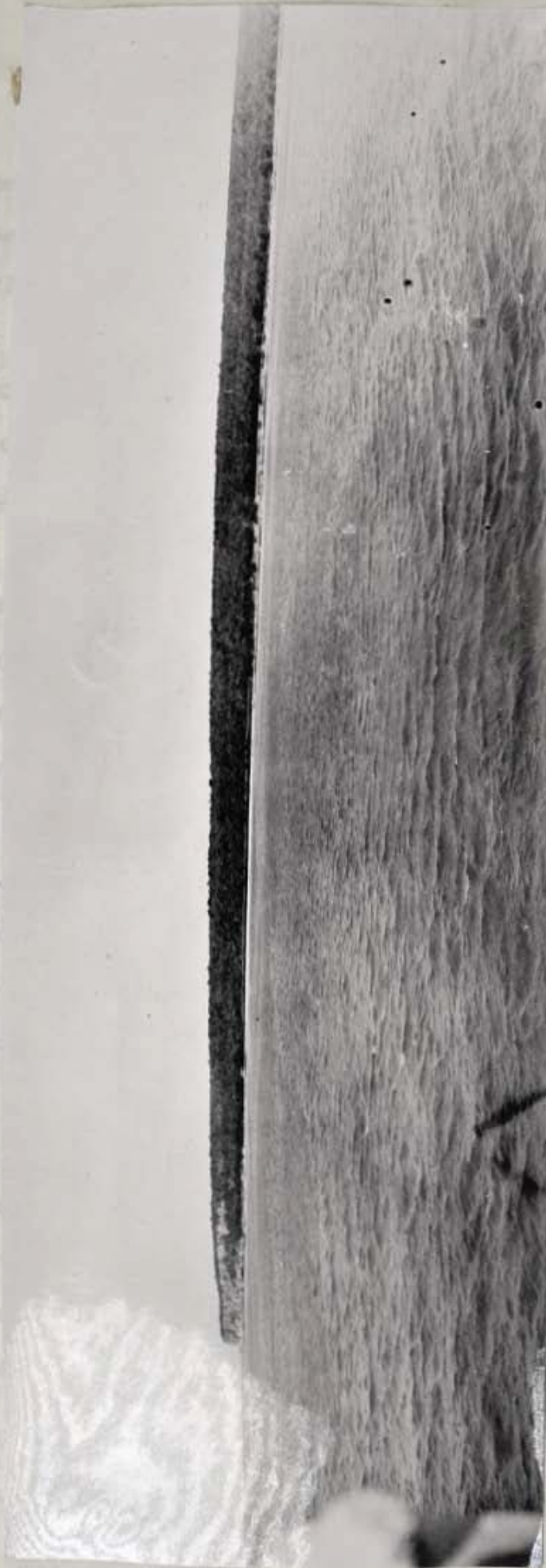
Negative #57779. Cereus sp.
An interesting slender growing, spiny cactus like plant growing in a crevice on the side of the tall lime stone cliff on Bata.

199.1

Negative # 57780. Panoramic view for the eastern
side of the island of Beala-
This view was taken from the deck of the
yacht Ulawa

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Negative # 57781. A panoramic view of a portion of the west side of the island of Beata, taken from the deck of the yacht Alouette - to the extreme left is shown the coral lagoon cliffs.

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We broke anchor at about 9 this morning and headed out from Beata for the island of Saona our next stop. We have had a fine and quite profitable stay here and all are in hopes that it will be found to call again at Beata on our return to the states, for by that time, six weeks or two months hence, the seed of the slender stem tall growing Coc^cothrinax and Montezuna sp will more than likely be ripe. ^{202.1}

The days run was rough and little of anything worthwhile in the way of work was accomplished for, throughout the day, the entire party was more or less, (more than less) off of their feet as well as feed.

It was 10.30 P. M. when I retired. At that time the sea was running pretty high and there was a considerable pitch to the yacht and the prospect is not especially promising, either for a good nights rest or any smoother sailing tomorrow.

If a fellow is to do extensive agricultural exploration work with a yacht, especially if he cannot readily get his sea legs, some one should invent a gyroscope small enough to swallow, so as to enable a fellow to keep his equilibrium and avoid sea sickness.

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It was 8.30 this morning when we, eased up, with lead and line to within a safe distance of the island of Saona.

Shortly after dropping anchor the small launch and the row boat were lowered and something after 10 A. M. we were ashore and in search for what ever we could find of interest in the plant line,

We found ashore, near an old tumble- down and abandoned shack a few plants of cotton bearing the largest bolls we have yet seen. The bracts were also extremely large. 203.1

The three palms we found and secured seed and herbarium specimens of, Two Pseudophoenix and one sabal, 203.2 were extremely handsome and very interesting. We were forced to cut down a tree of the sabal palm to secure seed, but the others we were able to climb. On an expedition of this kind we should^{have} spike climbers and a good heavy strap, or a gun to shoot a line over the top so that a man could be pulled to the top where the seed clusters are borne.

In addition to the foregoing we also secured seed and herbarium specimens of an interesting passiflora and several unidentified trees and flowering shrubs. 203.3 The day was much enjoyed and at 5 o'clock that afternoon we broke anchor and departed en route for the island of Saba, a Dutch possession, to the northwest

January 21, 1932.



Negative #57782. Undetermined. 205.1

A nearby view of flowering branches obtained from a tree just back from the breaking surf of the island of Saona. The flowers are not very large but are fragrant and white in color and quite attractive.



Negative #57783. Undetermined.

Dr. David Fairchild, and Mr. Toy, collecting seed from the tree from which the flowering branches in the previous were cut. The spotted appearance of the trunk and large branches is unique and interesting.

Mr. Loomis is just beyond Dr. Fairchild and is pointing to some interesting plant further along the beach.

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206.1

Negative #57784. Undetermined.

Another view of the tree shown in the previous picture. It would be an acquisition to the yards, parks and garden of South Florida and southern California.



206.2

Negative #57785. Gossypium sp.

Mr. H. Loomis, holding in his hand one of the large, long stipple, seed and lint bolls. This Mr. Loomis secured from one of the two stalks, just in front of him. It is an interesting find.

January 21, 1932.



207.1

Negative #57786. Pseudophoenix saonae.

Mr. Loomis working out some means by which we can get on of the large clusters of fruit near the top of the tree without cutting it down.



Negative #57787. Pseudophoenix saonae.

The practical result of Mr. Loomis's deliberations. The operation was rather difficult but the outcome very satisfactory.

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208.1

Negative #57788. Pseudophoenix saonae.

Mr. Loomis's venture was not only satisfactory but also most successful and he is now preparing to return to where, a short time before he stood with down cast eyes in deep meditation.



Negative #57789. Pseudophoenix saonae.

A dead stump and live tree of this handsome palm so near the ocean that when it runs high these plants are drenched with both salt spray and salt sea water.

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209.1

Negative #57790. Pseudophoenix saonae.
A nearby view of the good palm shown in the preceding picture.



209.2

Negative #57791. Undetermined.
An interesting vine with long, round seed pods. It is perhaps, without question, a species of Asclepias

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210.1

Negative #57792. Sabal causerianum.

A young plant of this species growing in a lagoon which looks as though the water had only very recently receded, especially from near the base of the plant. To get seed of this species we were compelled to cut down a tree 40 feet or more in height



210.2

Negative #57793. Pseudophoenix saonae.

Mr. Allison V. Armour admiring the fine cluster of bright red fruit and, as it were, saying, "Woodman or rather explorers, spare this tree."

January 21, 1932.



211.1

Negative #57794. Pseudophoenix saonae.
A view in the jungle on the southwestern coast of the island of Saona. Here are shown several of a large number of fine specimen plants of the fine palm



Negative #57795. A Sea View.
One of the launches from the Utowana awaiting, off the shore of Saona for the small row boat which went ashore after the exploration party and the plant material they have collected.

February 11, 1932.

We had just finished breakfast, between 7 and 8 o'clock when we pulled into the harbor of the Port of Spain and dropped anchor. As soon as the formalities of the port were completed one of the launches was launched and between 8.30 and 9. o'clock Mr. Armour and Dr. Fairchild. went ashore to see the American Consul, get the mail and attend to other business incident to our arrival and stay in port.

Messrs. Toy, Loomis and Dorsett remained aboard and devoted themselves, until the mail arrived, about 10.30, in working with seed and other plant propagating material and also the pictures and field notes. All aboard received more or less mail and the time to read it was necessarily lost from work. I received a letter from J. L. Mahoney and with it ^{382.1} a copy of ^{382.2} one he wrote to Peter Liu regarding a shipment of chestnuts Liu has dispatched to the Department for Forest Pathology, also a copy of a letter Joe wrote to Dr. Fairchild relative to Government expenditures incident to this expedition. Copies of all of these as well as a copy of my reply to Mr. Mahoney will follow at the end of today's notes.

Mr. Armour and Dr. Fairchild returned about one o'clock and brought with them for lunch, Capt. A. Demarest, American Vice-Consul in Charge.

February 11, 1932.

383

After lunch all of the members of the expedition party, with the exception of Dorsett, went ashore to visit the Experiment Station and meet the scientific research men and make such arrangements as they deem advisable relative to our work while here. Dorsett remained aboard and devoted himself to working with seed and herbarium specimens, pictures and field notes and also to complete the Air Mail Express package we are sending from here.

When those who went ashore this afternoon returned for supper they gave a fine report of their afternoon ashore.

They met quite a number of the scientific workers and found them to be excellent fellows and anxious to cooperate and work with us. The Experiment Station is commodious and well equipped with buildings and equipment and good work is being accomplished.

The Botanical Garden is spacious and contains a large number of fine specimen plants of many species and they feel confident that we will find the garden not only enjoyable but also that we will find many interesting plants there of which we will want to get seed and other plant propagating material. Arrangements were completed for the entire expedition to visit the garden tomorrow.

February 11, 1932.

After supper I worked until quite late getting supplies and equipment in shape for our days visit and work at the Botanical Garden and also in writing personal and official letters.

Copies of my official correspondence follow.

COPY.

Washington,
D. C. Jan. 9, 1932.

Mr. P. H. Dorsett,
Mr. Allison V. Armour,
375 Park Avenue, N.Y.

Dear Mr. Dorsett:

The following letter of Jan. 5, from Mr. Fyfe, is self-explanatory.

"Referring to previous correspondence, 28 cases of chestnuts which were started en route to you under B/L A-117216, arrived back in N. Y. per SS President Lincoln which docked at 3:00 P. M. Sunday, the third. The 28 cases were discharged from ships refrigerator this morning and are being started enroute to you via express this evening as being covered by B/L A-117216 sent to you previously".

This is the twenty-eight cases of chestnuts that "saw America first" before landing in our Inspection House and were received. We find that these chestnuts were from the Yokohama Nursery Co. rather than from Peter Liu, as every one thought at the time this mixup occurred.

In the letter which we copied for you, you advised Peter Liu that this 28 cases of chestnuts were those that he had shipped, so I am writing him today, to set him straight on this matter.

Since you left, we have received a letter from Peter Liu, stating that his chestnuts have been shipped by Dawson, so no doubt the chestnuts from Peter Liu will arrive within the near future.

385
February 11, 1932.

Trusting you are having an enjoyable trip,
I remain,

Sincerely yours,

(Signed) J. L. Mahoney,
Administrative Assistant.

JLM/d

COPY.

Washington, D. C.
January 9, 1932.

Mr. Peter Liu,
Grand Hotel des Wagon-Lits,
Peiping, China.

Dear Mr. Liu:

In the absence of Mr. Dorsett, this will
acknowledge receipt of yours of December 9 and we
are glad to learn that the chestnuts for Mr. Beattie
have been shipped.

As Mr. Dorsett advised you under date of
December 24, he is now conducting agricultural exp-
loration work aboard the yacht "Utowana" and will
not return to Washington until the latter part of
April.

In Mr. Dorsett's letter he mentioned shipment
of twenty-eight cases of chestnuts which had been
received in New York and through error, shipped back
to San Francisco. At the time of writing this letter,
Mr. Dorsett was under the impression that this was
your shipment of chestnuts, but upon the receipt of
the twenty-eight cases of chestnuts, we find it is an
entirely separate shipment from the Yokohama Nursery
Company, Yokohama, Japan.

Sincerely yours,

(Signed) J/ L/ Mahoney,
Administrative Assistant.

JLM/d

cc Mr. Dorsett.

February 11, 1932.

COPY.

Washington, D. C.
January 6, 1932.Dr. David Fairchild,
American Consulate,
Yacht "Utowana"
Port of Spain, Trinidad.

Dear Dr. Fairchild:

Your letter of December 27 was duly received and for your information, the following are the expenditures we have made to date, in connection with the "Utowana" expedition.

Repairing Dorsett Camera.....	\$14.80
Films.....	1.00
Cleaning numbering machine.....	7.00
Graflex cut-film magazine.....	3.00
Films, Thermometer & Hypo Acid.	18.20
Express charges on above.....	3.72
Films.....	141.31
Express charges on above.....	5.96
D-76 Formula.....	6.25
Films.....	19.70
Express charges on above.....	.89
BlotTERS, oil, paper, herbarium paper etc.....	34.74
Cloth sacks.....	32.45
Express, five (5) trunks of Dorsett equipment.....	29.07
Express, eight wardian-cases...	9.80
Total	<u>\$407.89</u>

In the memorandum regarding this trip, approved by the Secretary, it especially stated that the expenses would amount to approximately \$500.00 - \$250.00 to be paid by this division and \$250.00 by Dr. Cook's division. You will kindly note, from the above statement, that we have already spent, \$157.89 in excess of our allotment of \$250.00, mentioned in the memorandum approved by the Secretary. Taking the above total of expenses, which were not purchased on the letter of authorization and adding the amount still left on the letter, \$400.00, you will kindly note that these present figures show a total for the trip of \$807.89. If we had reduced the letter of authorization the correct amount, it would have necessitated considerable bookkeeping to have allotted parts of the

February 11, 1932.

337

requisitions to Dr. Cook's division and parts to this division, in order to get the proper distribution of the funds from the respective allotments of \$250.00 made by each division. Apparently, when the \$500.00 estimate was made on the memorandum, no consideration was given whatever to supplies to be purchased for the use of this trip, only travel and subsistence while off the "Utowana" being figured. In a final report of the trip, however, the above report will have to be included in the total expenses.

Any expenditures made on the letter of authorization we will first have to charge to the appropriation for Dr. Cook's division, which will, in part, balance the amount both divisions are putting into the trip.

Sincerely yours,

(Signed) J. L. Mahoney,
Administrative Assistant.

JLM/d

cc Messrs. Dorsett, Loomis and Matheny.
cc to Dr. Fairchild in case of Mrs. Margaret
Gilman 4013 Douglas Road, Coconut Grove, Florida.

COPY.

Port of Spain, Trinidad,
February 11, 1932.

Dear Joe:

We arrived here about 8 o'clock this morning and dropped anchor about 3/4 of a mile off shore. All but the "Old Man" went ashore. I remained and put in the entire day trying to catch up with the work. I made a little headway but have a lot that is still back and I am afraid that some of it will have to remain that way for we are in for at least a four day's jant into the woods here and when we go out into the hills we invariably get, each day more than we can write up and take care of. So, as you can readily see its a case of getting just a little behind each day, with very little time, at any time to catch up.

We are having a glorious trip with plenty to eat and drink, water, lemonade, barley-water etc.

February 11, 1932.

We will likely be here until next Tuesday, Feb. 16th., and will then push on.

The Expedition has already shipped 9 parcels to Washington and have one ready to go via., air mail express Tuesday the 16th.. We also have a lot of material aboard, in the way of seed which are being prepared for shipment, cuttings, rooted plants, bulbs etc., in wardian cases and a pile of herbarium specimens which we will bring back with us when we return in April.

We have been leading a strenuous life. We get up about 6.30 and get to bed anywhere from 10 to 12. In many instances, we as it were go to bed at one island and get up anchored off another and as soon as breakfast is over we hike for tall timber. Sometimes we make two islands a day. Thus far we have visited the following islands. Nassau, Cat, Spanish Wells, Concepcion, Rum Cay, Great Inauga, Beata, Saona, Eustatius, St. Kitts, Antigua, Dominica, St. Lucia, St. Vincent, Bequia, Cannouan, Mayero, Carriacou, Grenada and Trinidad and we will likely visit as many more before we get home.

Many thanks for your good letter of the 9th., of January which reached me today. I also want to thank you for the copy of your letter to Liu and his of December 9, addressed to me. We apparently overlooked the fact that the Yokohama Nursery Co. were also shipping chestnuts on a Government bill of lading to the Department. No doubt both shipment have before this been received in Washington. If so I trust that they arrived in good condition.

In todays mail I received several letters from Ruth and a couple from Nellie, both spoke of your having been up to the house and both write that George is not getting along very well. His heart appears to be giving him quite a lot of trouble,

I continue to feel fit and am holding my own with Fairchild and the two younger boys, but even at that I am not able to do all that I would like to, especially under the existing conditions

February 11, 1932.

389

I hope that you and the family are getting along nicely and that the work at the office is progressing satisfactorily.

I am enclosing a record of two motion picture spools of film. Please have them developed and hold until I return. The facilities aboard are not such as to justify my trying to develop and dry motion picture film. I have already made and developed 381 negatives and Dr. Fairchild, Loomis and Toy between them have almost as many more. 389.1

It is now past 11 and as we are scheduled for a trip to the Botanical Garden tomorrow I will say good night and close.

Kind regards and the best of good wishes to you and all at the office and also to Hellen and the kiddies. As always,

Sincerely yours,
(Signed) P. H. Dorsett.
Agricultural Explorer.

Friday February 12, 1932.

It was about 8.30 in the morning when the entire expedition party got ashore. As per arrangements made yesterday, we were met at the Customs Jetty by Mr. S. M. Gilbert, Assistant Director of the Experiment Station who drove Dr. Fairchild and I (Dorsett) out to the Experiment Station. Messrs. Loomis and Toy remained in the city to attend to some business and will join us at the Experiment Station a little later. 389.2

At the Experiment Station we met Mr. E. J. Wortley, the Director of Agriculture and Mr. R. O. Williams the Superintendent of the Botanical Garden. 389.3
389.4

February 12, 1932.

We were shown the laboratories and other important and interesting features at the Experiment Station and shortly after Messrs. Top and Loomis joined us we went with Mr. Williams to see the Botanical Garden.

The Garden was established in 1820
390.1
by Mr. David Lockhart and today contains many interesting and valuable specimens of a very large number of species.

We spent until about 1 in the afternoon inspecting the garden and collecting seed and specimens and also making pictures and then went to lunch with the Director, Mr. Wortley. He a beautiful place just back of the Governor's Palace, near the eastern side of the Botanical garden. Mrs. Wortley was most charming and a devoted lover of plants as well as a most charming and accomplished hostess. We had a delightful lunch and a most delightful and enjoyable time.

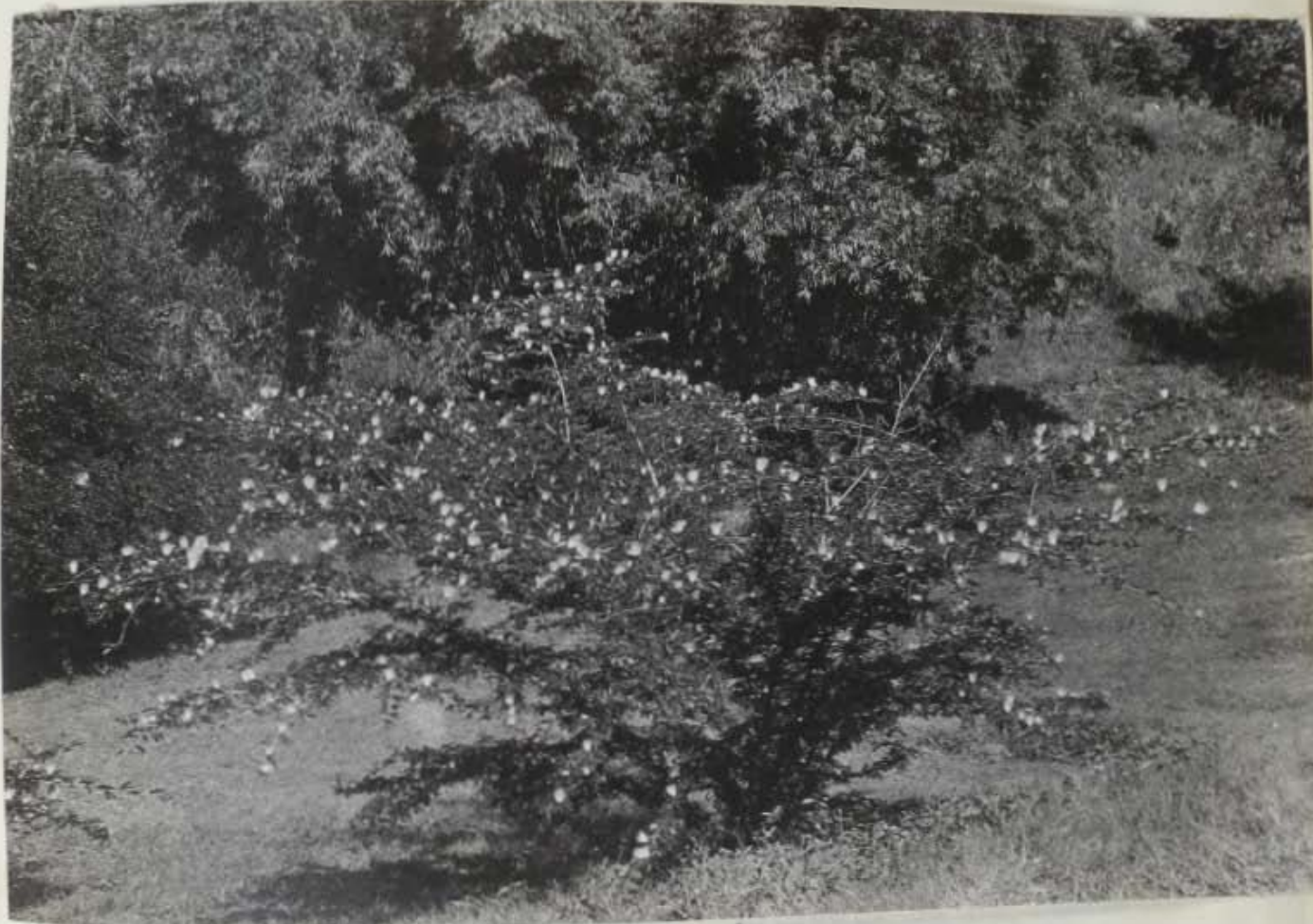
From the Luncheon with Mr. and Mrs. Wortley we returned to the Experiment Station headquarters and a little later again went with Mr. Williams to the Botanical Garden. At about 4.30 we went to Mr. Williams home for tea and had the very great pleasure of meeting Mrs. Williams and their small children.

It was about 6.30 in the afternoon when we got back to the yacht.

February 12, 1932.

The day was fine and we all had a wonderful experience and a most enjoyable time. We collected some seed and a few herbarium specimens, got a lot of information and secured quite a few pictures. As a whole I think the day was well spent and we accomplished quite a good deal.

The pictures made today follow.



391.1

Negative #58007. Calliandra tergemina.
A beautiful flowering shrub, with small deep green leaves and fluffy, paint-brush-like flowers, white at the base and tinged at the extremity with a delicate shade of pink. It really is very spectacular and attractive.

February 12, 1932.



Negative #58008. Cordia alliodora.
A handsome flowering tree, with many clusters of small white flowers. It is native and often grows to 2 or 3 feet in diameter and 70 to 90 feet in height. It makes a valuable lumber which is much in demand. The wood is light brown in color, tough, medium hard and works easily. It is used for furniture making and in general housebuilding. It is the tall tree to the left in this picture. Taken in the Botanical Garden at Port of Spain, Trinidad.

392.1

February 12, 1932.



Negative #58009. Jacaranda caerulea^{393.1}
The tree to the right, near the center of the picture is the one for which this picture was made. As a rule the trees are bare of leaves at the time the flowers appear. The violet colored buds open into bluish-violet pendent tubular flowers with white throats and are borne in many flowering panicles. It is unquestionably a very handsome ornamental tree, and well worth of a place in any collection where it will succeed.

February 12, 1932.



Negative #58010. Landscape.

View along an avenue, lined on either side with numerous fine specimens of a wide variety of attractive and handsome palms.

The view also shows the expedition party with several of the Agricultural Experiment Station workers, inspecting and discussing the more rare and interesting species. This is a most interesting and attractive section of the Botanical Garden.

February 12, 1932.



Negative #58011. Land Scape, Palm Avenue.

Looking along the same avenue shown in the previous picture but from the other end, near one of the main entrances to the Botanical Garden. In the foreground and at the left is a portion of an interesting and attractive *Eucalyptus* and just beyond it is a fine specimen of *Cocos plumosa*, on the right is a groupe of *calamus rotang*.

395.2

395.1

February 12, 1932.



396.1

Negative #58012. Bertholletia excelsa.

This is a fine specimen of the Brazil Nut tree. It measures 131 inches in circumference, at 3' above the ground and is something like 50 to 60 feet in height and is bearing a good crop of fruit. The leaves are lanceolate and 12 to 15 inches in length and the creamy yellow flowers, curiously hooked resemble those of its near relative, the Cannon Ball tree.

February 12, 1932.

507



397.1

Negative #58013. Peltophorum linnaei.

A much branched, good size tree with feathery foliage. The stem is smooth and blotched. gray green and brown. Flowers small, redish brown in bud and deep yellow when full open. A good shade tree. The orange colored wood is used in cabinet making and for carriage wheel spokes. The tree also yields a dye.

February 12, 1932.



Negative #58014. Lecythis ollaria. 398.1

This fine large specimen of Monkey Pot tree is something like 100 feet in height and 207 inches in circumference, 2 feet from the ground. The seed are produced in a large, hard, woody, brown pod with a close fitting lid at the top whit^{ch} somewhat resembles a jug.

February 12, 1932.

399



399.1

Negative #58015. Ficus benjamina,

This is the tree at the right. It is sometimes known as the Ceylon Willow. It is an evergreen and the leaves are small, rather thick and of a deep green color. The fruit is small and orange in color. It is a wonderfully fine ornamental and makes a great showing in a landscape planting.

February 12, 1932.



400.1

Negative #58016. Camoensia maxima.

Showing to the right, along a drive, a hundred feet or so of a hedge of this largest and most showy leguminous vines. This is in front of the Governor's mansion in the Botanical Garden grounds. Just over the hedge is a highway.

Camoensia maxima was flowered in one of the greenhouses at Washington, D. C. quite a number of years ago. It is a fine ornamental vine of vigorous growing habit.

February 12, 1932.

401



401.1

Negative #58017. Camoensia maxima.

A nearby view of some of the flower clusters and buds and full open flowers of this stunning ornamental vine. It's showing along the drive in front of the Govenors Mansion here in Port of Prince, Trinidad is spectacular and extremely handsome.

February 12, 1932.



402.1

Negative #58018. Portlandia grandiflora.

A wonderfully handsome flowering shrub growing to the height of some 10 feet or more. The leaves are opposite and of a dark shiny green color. Flowers in pairs in the axiles of the leaves, calyx purplish-green with 5 lobes, corolla white, trumpet shaped, 5 inches in length and fragrant. 5" across.

February 12, 1932.



Negative #58019. Landscape.

View in one of the palm sections of the Botanical Garden, Port of Spain, Trinidad.

Dr. Fairchild and Mr. Toy collecting see under the palms, in the foreground to the left.

February 12, 1932.



Negative #58020. Landscape.

A general view in the Botanical Garden showing the character and general appearance of the tree growth. It is great, yes, glorious.



Negative #58021. Bauhinia vahlii. 405.1

"Maloo" of India. A huge climber and rampant grower. The leaves are large, tough and roundish, up to 12 inches or even more, in diameter, and said, to sometimes be used for plates.

This vine in the Botanical Garden, practically covers a forest tree which is 3 feet in diameter

February 12, 1932.



406.1

Negative #58022. Pimenta acris.

"Bay Berry, Bay Rum", Bay Tree or Wild Cloves.

A beautiful avenue of "Bay Trees in the Botanical Garden at Port of Spain, Trinidad. From the aromatic leaves of which, when dried is distilled an oil which is used in the preparation of bay-rum. See West Indian Bull. Vol. XV ppl 176-7 for full information concerning the oil.

February 13, 1932.

407

Today, Dr. Fairchild and Mr. Loomis 407.1 went to the University and Experiment Station to talk with some of the workers and look over some of the more important lines of work they have under way.

After this was completed they went with some of the scientists to the dryer section of the island to see what they could find there of interest and importance. They plan to be out during the entire day.

Messrs. Toy and Dorsett and Miss, Nancy Bell Fairchild took their collecting outfit and cameras and went out to the Botanical Garden. We worked in the garden until noon and then returned to the city for lunch. About one o'clock Miss Nancy Bell returned to the yacht and Toy and Dorsett went back to the garden and put in the balance of the day collecting seed and herbarium specimens and in making pictures.

We returned to the yacht about 6 in the evening with a nice lot of plant propagating and herbarium material and also a nice lot of pictures.

Dr. Fairchild and Mr. Loomis brought in a nice lot of seed and herbarium specimens of several new palms and also of other interesting plants.

Every body, apparently enjoyed their days experiences and reported a glorious time.

February 13, 1932.

The following are the pictures I made today at the Botanical Garden.



Negative #58023. Landscape.

The large tree to the right in this picture is the "Monkey Pot" Lecythis ollaria. This is an attractive and interesting section of the garden and in which there are a number of very interesting species of plants.

February 13, 1932.

409



Negative #58024. Landscape.

This view shows something of the beauty and general appearance of a portion of one of the more important and interesting palm sections in the Botanical Garden at Port of Spain, Trinidad.

February 13, 1932.



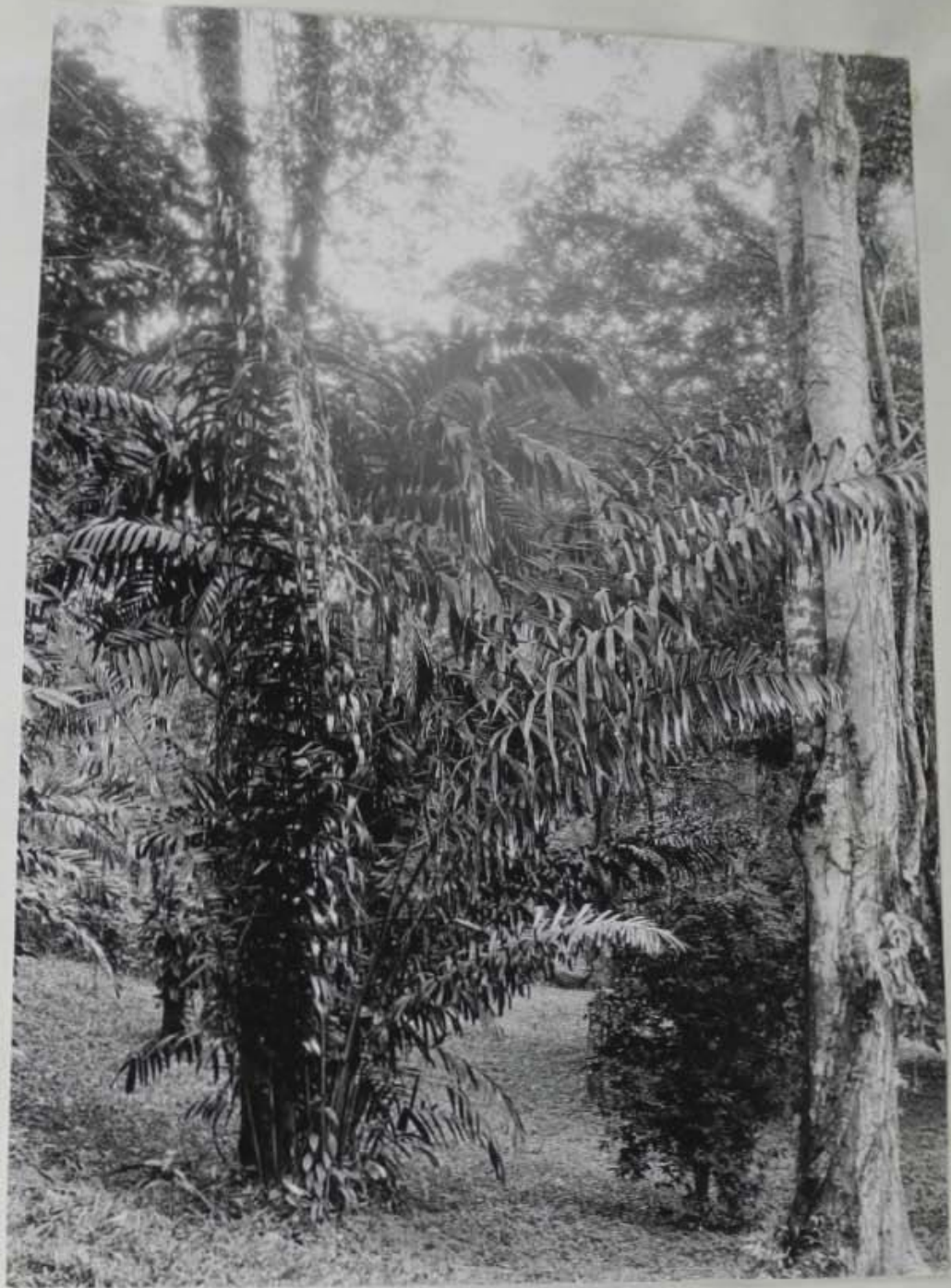
Negative #58025. Undetermined palm.

410.1

An over-crowded but fine and interested specimen of a palm on the hill side in the Botanical Garden which was not labeled and which we could not identify. The setting, even though crowded is very nice and the specimen shows off to very good advantage.

February 13. 1932.

411



411.1

Negative #58026. Maximiliana regia ?

This is a very interesting and attractive palm and one we have not previously seen.

It is a good ornamental and well worthy of introduction for trial in South Florida and Southern California.

February 13, 1932.



Negative #58027. Ochrosia moorei.

412.1

A small tree with deep green foliage and bright red fruit which is somewhat angular in shape and rather long, about 1 inch in diameter and something 2 inches in length. When in fruit and the fruit is ripe the tree makes an attractive appearance and is quite ornamental.

February 13, 1932.

413



Negative #58028. Maximiliana regia ? 413.1

Showing a portion of a groupe planting of young plants of this interesting and attractive ornamental palm. A picture of a somewhat larger specimen is shown with negative #28026.

February 13, 1932.



414.1 Negative #58029. Warszewiczia coccinea. Wild Poinsettia. A rather slender much branched tree, up to about 20 feet. It makes a magnificent show with its 3 to 4 feet long vermillion sprays. Like the poinsettia in cultivation the showy and spectacular display is that of the enlarged sepals and not the petals of the flowers.

February 13, 1932.



415.1

Negative #28030. Lagerstroemia flos-reginae.

Showing and experimental trial of propagating this plant. A good size bamboo cane, 3 to 4 inches in diameter was driven into the ground near drooping or low growing branches and the upper portion was then filled with soil. Prior to this however a hole, about the size of the branch was made in the cane, some 6 to 10 inches below the top of the cane, the cane was then slit from the hole to the top so that the knotted branch could be inserted. The cane is then bound near the top as shown and the soil filled in about the branch.

February 13, 1932.



Negative #58031. Landscape.

Showing in general some of the older plantings in the Botanical Garden at Port of Spain, Trinidad. It also shows some of the more recent interplantings and all together the view is pleasing and attractive.

February 13, 1932.



Negative #58032. Mesua ferrea. Iron Wood.

This tree to the right with its branches down to the ground is one of the most beautiful and handsome trees in the garden. It is also recorded as being one of the most beautiful trees in the Tropics. The flowers come with the first flush of leaves and resemble large, single roses, pure white with a yellow centre and are about 3 inches across. The heart-wood is dark red and extremely hard (hence the name). When available the wood is used for building purposes, gun stocks, tool handles etc. The wood is very difficult to work.

February 13, 1932.



Negative #58033. Landscape.

A general view in the Botanical Garden, Port of Spain, Trinidad. It is interesting and attractive.

February 13, 1932.

419



Negative #58034. Heliconia Sp.

419.1

A nearby view of a portion of a flowering spray of this unique and remarkably interesting plant.

This large leaved rank-growing plant in a landscape is extremely ornamental and attractive. It is worthy of a place in any garden where it will succeed.

February 13, 1932.



420.1

Negative #58035. Eugenia malaccensis.

Pomme Malac; Pomerac; Malay Apple. a tall growing evergreen tree, producing many flowers in a cluster, with long protruding stamens. The fruit is pear shaped 1 to 2 inches in length, pink or red outside and with white flesh, Botanical Garden.

February 14, 1932.

421

As per arrangements with some of the scientific research men of the University and experiment Station workers, Dr. Fairchild, Mrs. Fairchild and Miss, Nancy Bell Fairchild, Messrs Loomis and Toy went ashore this morning preparitory to making an exploration trip into the drier section of the island. Dorsett remained aboard and worked with plant material, herbarium specimens and pictures and also in trying to get his field notes up to date for we are again getting behind in all of these lines of work.

About 4 :30 in the afternoon, Mr. Armour entertained some 20 or more people aboard the yacht Utowana. They expressed themselves as being delighted with the Utowana and apparently enjoyed the occasion very much indeed.

The members of the expedition who visited the drier part of the island returned in time for the tea. They reported a good trip and secured plant material of quite a number of interesting wild plants.

February 15, 1932.

This morning, about 8.30, Dr. Fairchild, Messrs. Toy, Loomis and Dorsett went ashore and then to the Botanical Garden to keep an appointment with Mr. Williams, the Superintendent and also to take out a wardian case for him to fill with plants for us to take with us on the yacht when we leave.

Mr. Armour, Dr. and Mrs. Fairchild went to dinner with the Governor, at 12.30. We took Mr. Williams to lunch with us on the yacht and after lunch gave him budwood of 5 varieties of Avacodes and 6 plants of different kinds of figs as well as quite a collection of seed.

We again inspected the Botanical Garden and for the most part, sections not heretofore visited. On this trip we were able to get seed and herbarium specimens of quite a number of interesting trees and shrubs and also made a goodly number of pictures.

These follow.

February 15, 1932.

123

Port of Spain, Trinidad. Mr Armour asked me during the day if I would not give him a statement as to the amount of my expenses, incident to my trip from Washington, D. C. to Miami, Florida.

The understanding reached when he was making the arrangements for this cruise was that he would bear all of the expenses connected with the exploration trip with the exception of the salaries of the Department of Agriculture men who were selected to go with the cruise .

I presume the Department would have paid my traveling and subsistence expenses from Washington to Miami, Florida where I joined the yacht but apparently Mr. Armour felt this was a legitimate expense for him to take care of and therefore today asked me for the amount of the expense.

An itemized statement of the expense follow.

Friday Feb. 15, 1932.

Itemized statement of the expenditures made by P. H. Dorsett, incident to his trip from Washington, D. C. to Miami, Florida to join the Allison V. Armour Agricultural Expedition 1931- and 1932.

The cruise contemplated takes the yacht Utowana among the British West Indies, and to British and Dutch Guiana. At this writing we have, perhaps covered about one half or almost that amount of the trip as outlined when we left Miami, Dec. 29, 1931.

Statement.

December 19, 1931	Ry. ticket Wash to Miami--	\$41.28
"	" " Sleeper ticket--	13.13
" 26	" breakfast en route	.70
"	" lunch " "	.60
"	" supper " "	1.30
" 27	" Tip to Pullman porter	.25
"	Express on 5 trunks for the	
	most part Gov. supplies	29.07
	Express on 5 Wordian cases	8.00
		<u>94.53</u>

Received payment from Mr. A. V. Armour
February 15, 1932.

February 15, 1932.



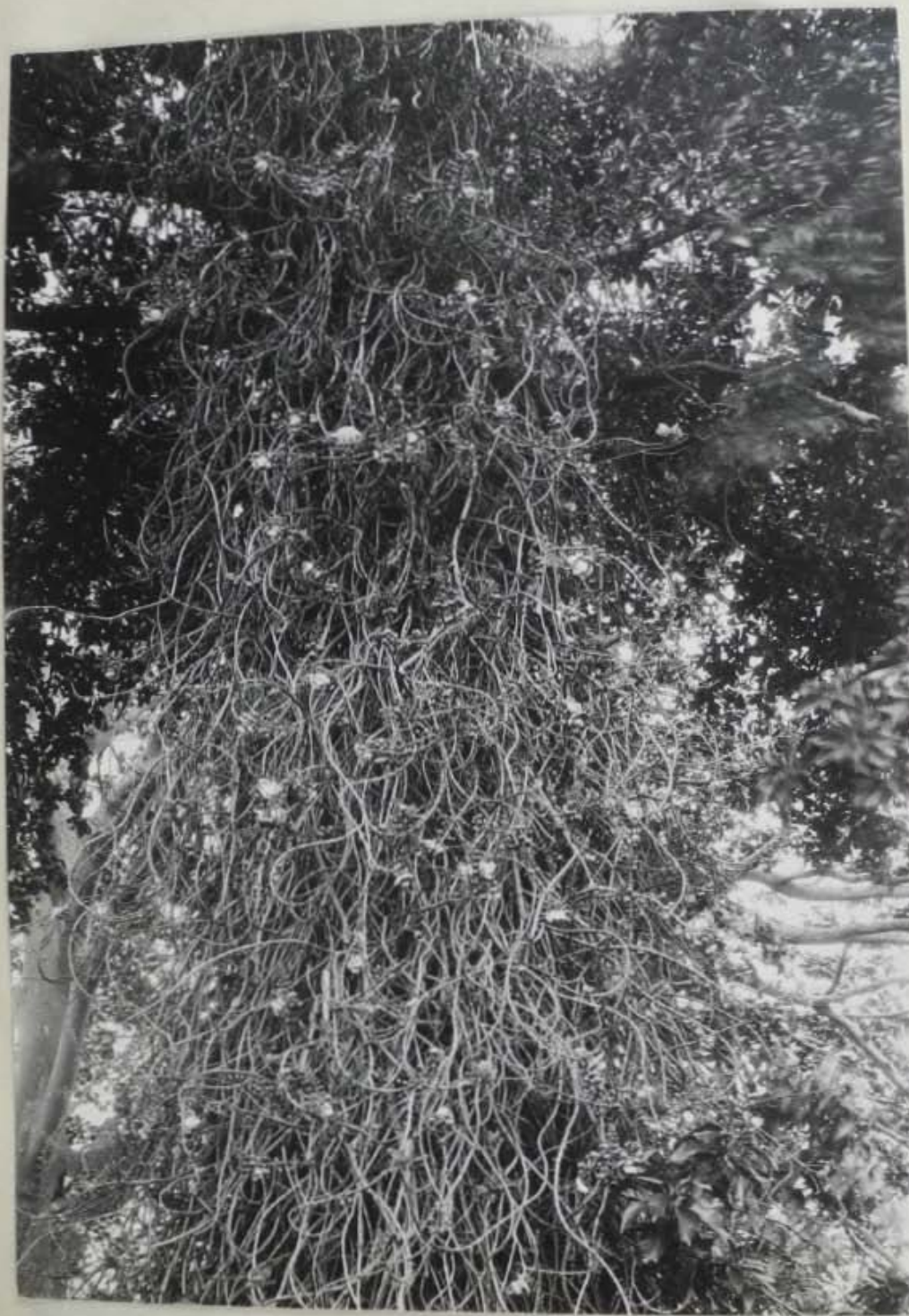
Negative #58036. Couroupita guianensis.

425.1

Cannon Ball Tree. to the right and to the left
two nice specimen trees, especially the central
one, of silk-cotton trees, or Kapok, Eriodendron
anfractuosum. These are in the recreation grounds
immediately in front of the Governors Mansion,
Fort of Spain, Trinidad. Note how the trunk is
covered with the long, crooked, woody, flower stems.

425.2

February 15, 1932.



Negative #58037. Couroupita guianensis.

426.1

A fairly nearby view of a good portion of the body of the Cannon Ball Tree shown in the preceding picture. The long, crooked, woody flower stems are well loaded with buds and well open flowers.



427.1

Negative 58038, Landscape. Trinidad, Port of Spain, February 15, 1932.

Looking up a small ravine in the Botanical Garden. The long thread like plants, string orchids hanging gracefully from practically every limb of the large tree at the right together with the under growth of plants of many species, make the view a most interesting and fascinating one.



428.1

Negative #58039. Centrolobium paraense.
This view was taken in the Botanical Garden at Port of Spain, Trinidad. February 15, 1932.

This tree is attractive on account of its light colored bark and grayish foliage of eleven recurved leaflets, increasing in size from the base to the tip. The tree is of primary interest on account of the large winged spiny seed pods it bears. The seed capsule is an inch or more in diameter and covered with rather long sharp spines. To this is attached a wing about 3" wide and 6" long and at its base there is a sharp stout spine $3/4$'s to an inch in length. See picture #58045.



429.1

Negative #48040, Hyophorbe verschaffelti,
Botanical Garden, Port of Spain, Trinidad, Feb.
15, 1932.

The trees along this broad walk or drive were planted in 1915, and as shown here with the under growth of vines, ferns and flowering plants the effect is strikingly beautiful.



Negative #58041, Attalea spectabilis,
Botanical Garden, Port of Spain, Trinidad, British
W. I.

This group of 4 trees with smooth light grayish trunks 60 to 70 inches in circumference and 60 feet more or less in height are strikingly beautiful. Mr. H. F. Loomis at the extreme right, one of the members of the exploring party is collecting seed of this palm for trial in the United States.



431.1

Negative #58042, Hevea brasiliensis, Para Rubber. Botanical Garden, Port of Spain, Trinidad, British, W. I. February 15, 1932.

431.2

This tree, upon which Mr. R. O. Williams is resting his hand, is one grown from seed secured from Brazil in 1876 by Mr. "(later Sir H. A.)" Wickham and sent to Kew and there propagated and as a seedling sent here from Kew for growing. This and other trees grown from the above collection of seed are of historic interest and importance. For more detailed information in this connection see Bull. Dept. Agr. XVI, 1917, 95-152.



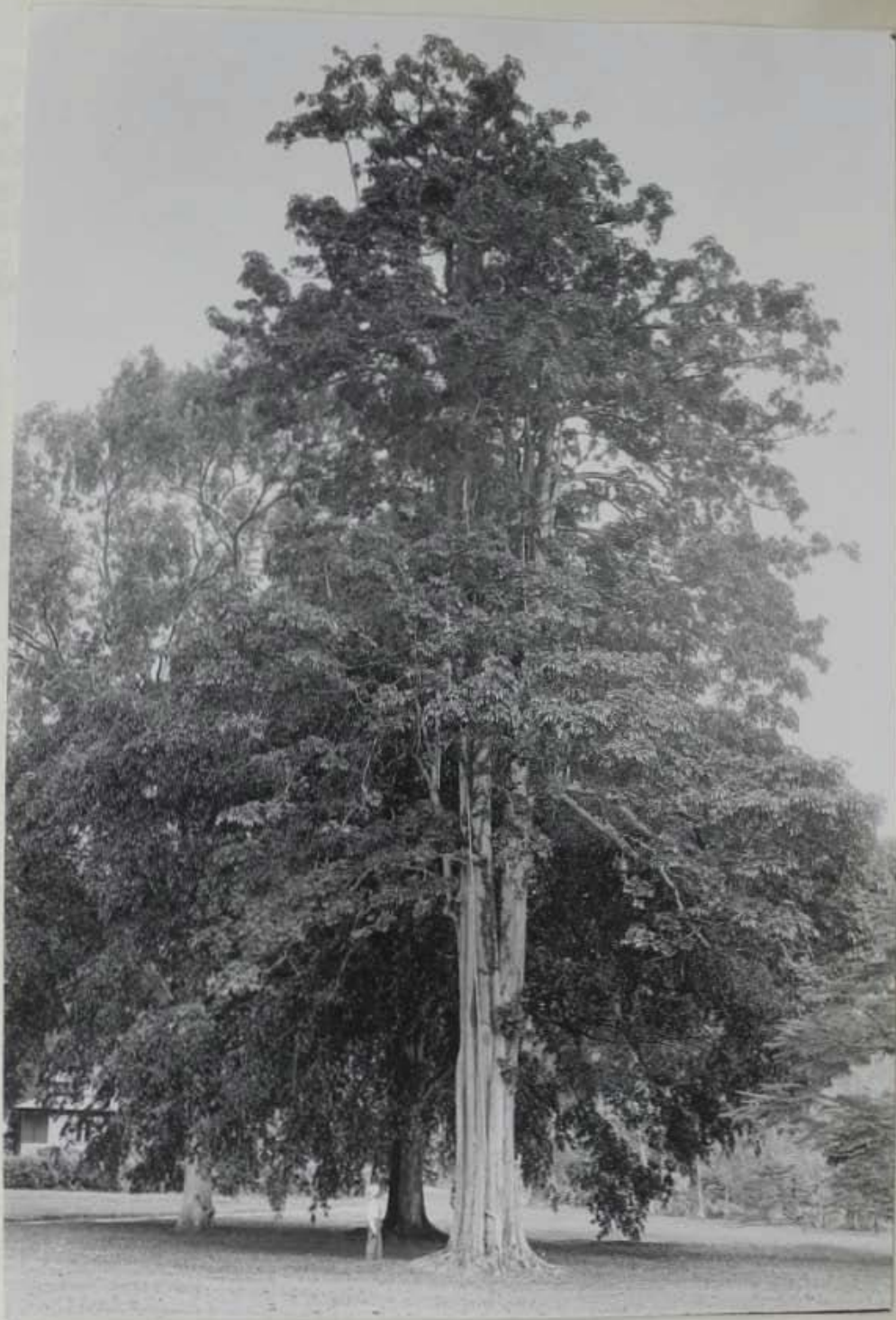
432.1

Negative #58043. Lecythis, probably Zabucajo. Sapucaia Nut. This tree while native to Brazil appears to be at home here in the Botanical Garden, Port of Spain, Trinidad and is doing remarkably well. It is a fine ornamental and in addition bears large seed pods, something like 8" or more in diameter. The terminal lid fall off when the fruit is ripe and the numerous seed or nuts, about 1" in diameter and 2" in length and somewhat resembling a Brazil nut in general appearance and flavor fall out. The Sapucaia Nut is generally considered superior to the Brazil nut of commerce. A plant given to the Expedition by Mr. R. O. Williams was sent in under A.V.A. #2889 and seed under #s 2841 and the pod #2963.

432.2

432.3

432.4



433.1

Negative #58044, Alstonia scholaris, R. Br. Botanical Garden, Port of Spain, Trinidad, B. W. I. February 15, 1932.

This handsome, tall-growing tree is known as the devil-tree or pali-mara of India. The trees yield caoutchouc and the bark is medicinal. Mr. H. F. Loomis is inspecting the specimen.

134
February 16, 1932.

Dr. Fairchild and Messrs. Loomis and Toy, today visited the Forestry station and the country thereabout and upon their return in the late evening reported a fine trip and a most enjoyable and interesting time.

I (Dorsett) remained aboard ship and arranged plant material for sending to Washington. The box, #10 went forward today via Air mail, after Mr. Armour had sewed it up in burlap and heavy white cotton cloth. Mr. Hart, one of the ships officers addressed the parcel.

This was one of the largest as well as one of the best looking packages thus far sent home by the expedition. The total transportation charges amounted to \$17.62 which were paid by Mr. Armour. The weight 29 pounds.

In addition to looking after the foregoing I numbered and wrote up quite a lot of plant material which will be shipped later. I also made a number of 5 X 7 exposures and developed all of my exposed films.

The shipping receipt for the package by air mail and such of the pictures as I made today that are worth while follow.



435.1

Negative #58045; Centrolobium paraense. This is about a three fourths size view of the large-winged seed noted under Negative #58039. The seed shown here together with a lot more were secured from the tree in the Botanical Garden, Port of Spain, Trinidad, B. W. I. They were secured for trial in the warmer sections of the United States. February 16, 1932.

437

February 17, 1932.

This morning about 8.30 all of the expedition party with the exception of Mrs. Fairchild went ashore. Dr. Fairchild and Loomis to keep an appointment with one of the Agricultural Experiment Station officials. Mr. Armour and Nancy Bell Fairchild to attend to business, and Toy, Loomis and Dorsett to visit the market to what was to be found there of interest.

The market building, which we found to be large and airy, with a considerable overflow at the back near the water front, is only about 10 minutes walk from the customs Jetty where we landed.

The stalls which are arranged in rows appear to be quite convenient and for the most part present a rather clean and attractive appearance. The market crowd had a good time and saw a number of interesting fruits and vegetables. We were also interested in their practices of handling and disposing of their products.

The following is a list of the fruits and vegetables observed.

Fruits.

Pomerac. a species of Eugenia.
Golden apple. Spondias dulcis.
Tangerines.
Lemons.
Bananas.
Papays.
Bread-fruit.
Tamarinds. distinctus.
Otaheite Gooseberry, Phylanthus.
Sapodilla plums.
Coconuts.
Custard apple.
American apples.
Limes.
Grape fruit
Bread nut.
Roselle.
Mango.

Vegetables.

Chayotes
Eggplant, Various forms
Ginger,
Spinich.
Tomatoes.
Cabbage.
Cucumbers.
Dasheens.
Colocasias.
Amaranthus, greens.
Dolichos lablab.
String beans.
Cowpeas.
Radishes.
Yard long beans.
Lettuce.
Garlic.
Indian corn, (roasting ears)
Sweet potato.
Turnips.
Water cress.
Irish or white potatoes.

All returned to the yacht for lunch and Earnest served up a nice one which all enjoyed. Toy and Dorsett remained aboard during the entire afternoon and put in

their time numbering, writing up and working over the plant material on hand which we received before and since our arrival here.

The following is a list of the numbers assigned and worked over.

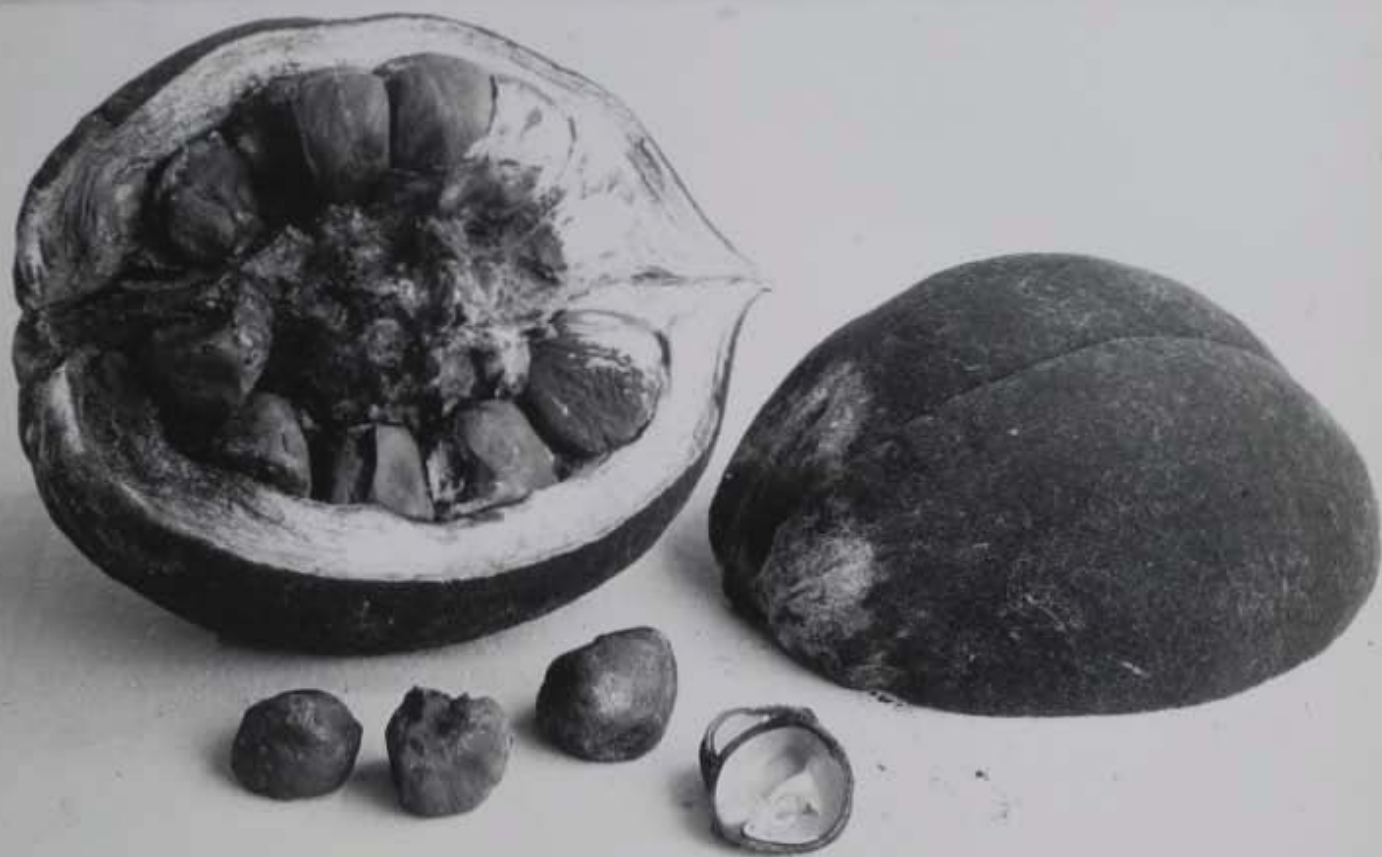
Plant material in Wardian Case, received from the Botanical Garden Port of Spain, Trinidad.

- #2864- Bougainvillea sp. A new orange sport.
- 2865- Grape fruit, (Wild) 12 plants.
- 2866- Gymnogramme calomelanos, (Silver fern)
- 2867- Adiantum farleyense.
- 2868- Macfadyena corymbosa.
- 2869- Cynometra trinitensis.
- 2870- Amherstia nobilis.
- 2871- Monodora tenuifolia.
- 2872- Ravenia spectabilis.
- 2873- Pentas.
- 2874- Ficus benjamina, var. comosa, 2 plants.
- 2875- Mussaenda erythrophylla, 4 plants.
- 2876- One lot of cuttings of vanda teres.
- 2877- Ptychosperma angusta. 4 plants.
- 2878- Mango scions, Graham variety, 8 scions.
- 2879- " " , St Lucia Pere louis var 11 scions.
- 2880- " " , Roscan var. 7 scions.
- 2881- Ixora, probably Laxiflora.
For Reasoner Bro.
One Morea.
" Pink Bougainvillea
- 2882- Dwarf Phyringa.
- 2883- Euterpe, Sp.
- 2884- Norantea Sp.
- 2885- Pothos, (?)
- 2886- Strelitzia Sp.
- 2887- Pandanus pacificus.
- 2888- Gri Gri Palm, Martenezia caryotaefolia.
- 2889- Lecythis Zabuajo.
- 2890- Eugenia malaccensis. Fruit. See picture #58046.
- 2891- Zingiber officinalis. From the market.
- 2892- Clusia rosea. 2 plants.

Such of the pictures made today as are worth while follow.



Negative #58046 *Eugenia* Sp. *malaccensis*, Pomerac. 439.1
A nearby picture of a basket of Pomeracs secured in the market this morning. The fruit is bright red in color and about one and a half inches in diameter and fully 2 inches long. The flesh is snow white and each contains but one seed. The fruit is more or less acid and of fairly good quality but not especially suited to the American taste.



440.1

Negative #58047, *Pachira insignis*. A nearby view of the outer and inside of a large fruit. The picture also shows separate seed in the foreground and imbedded in the seed pod or fruit. The fruit was collected in the rain forest, back of Port of Spain, Trinidad. The picture was made on the yacht Utowana while at anchor in the harbor of Port of Spain. Feb. 17, 1932.



441.1

Negative #58048. Norantia guianensis, Red Hot Poker, Beacon. A vigorous climber with long orange red flower spikes which are extremely spectacular. By each flower there is a curious hood, really a bract, which as in the case of the poinsettia is the showy portion of the flower. Picture made aboard the Yacht Utowana, Feb. 17, 1932.



Negative #58049. A view in a portion of the market, Port of Spain, Trinidad. It is not very good but as we only secured one other we consider this worth saving. After all it is quite tippical.



Negative 48050. A better and more tippical scene in the same market as that shown above but in a different section and shows a more extended view. Port of Spain, Trinidad. February 17, 1932.

Thursday, February 18, 1932.

This is our last day for the Island of Trinidad and there is a lot to do aboard preparatory to our departure some time this evening.

Dr. Fairchild and Mr. Loomis, with Mr. T. C. Meyers left early in the morning for a days explorations in the Forest Reserve at the Eastern end of the Island.

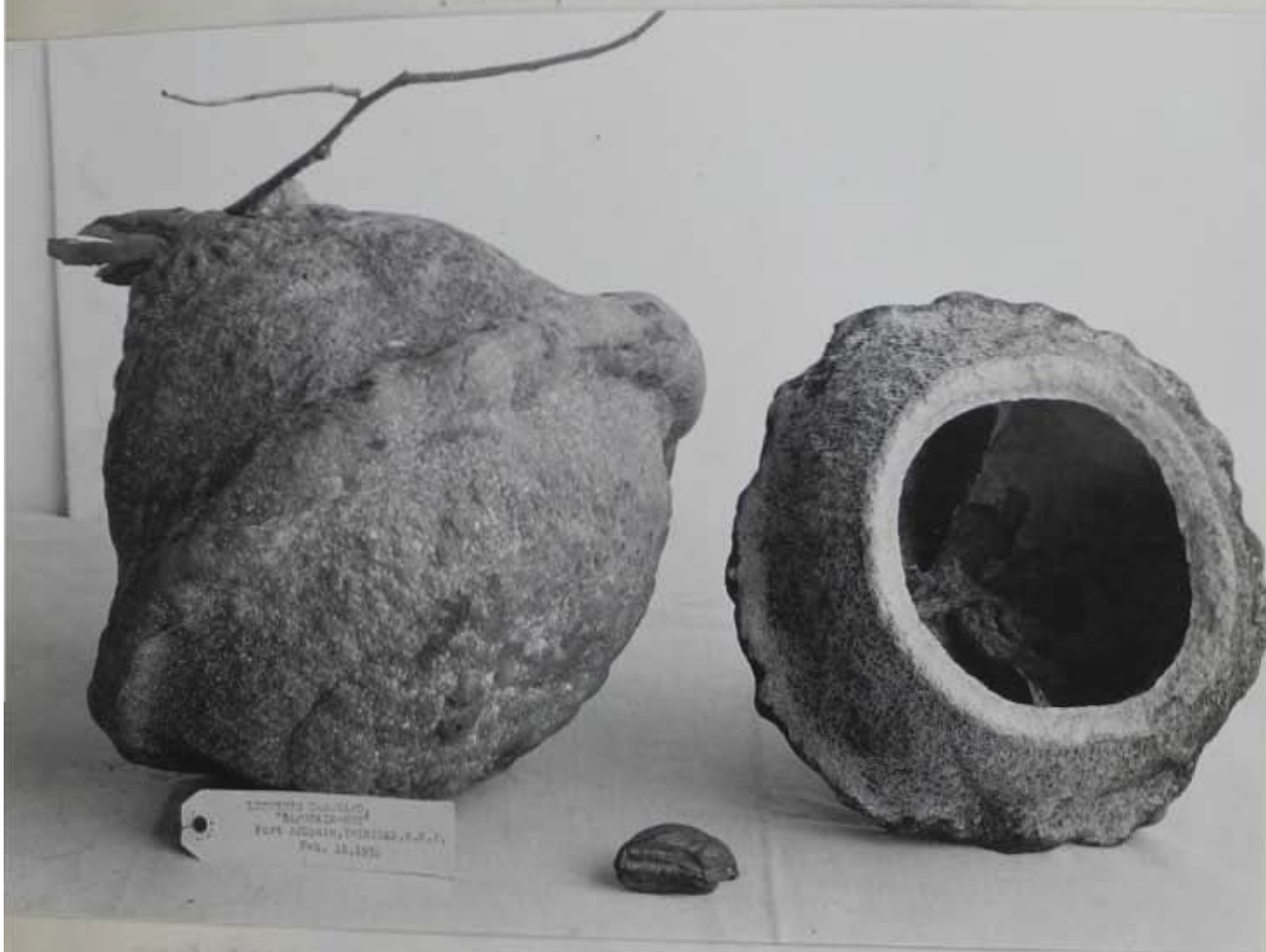
Toy and Dorsett remained aboard to get in shape, in so far as it is possible, the plant material which has been accumulated in considerable quantity and really must be handled before reaching our next objective, Scarborough on the Island of Tobago, which is just about a 12 hours run from here.

We made good headway during the day in looking over the herbarium material and in getting the plant material numbered and written up. We also had time to jacket and write the descriptions of the negatives made since our arrival in this port and also made a close up view of the large pod of the Sapucaia Nut which was secured for us by Mr. R. O. Williams of the agricultural Experiment Station, Port of Spain. This picture follows todays notations.

Dr. Fairchild and Loomis returned about four in the after noon, and reported that they had spent a glorious day and had seen much of real interest in the region visited.

After a good dinner, served at about six o'clock by Earnest, we began to prepare for our departure and for taking care of the collection of interesting plant material brought back by the two boys who had experienced such a glorious day ashore. These two boys, especially Dr. Fairchild were pretty well fagged from their days work ashore but were equal to the emergency.

We broke anchor at 7 P. M. and steamed out of the harbor en route to Tobago our next new field of activity. During the early part of the evening of the nights run the plant material brought in by Fairchild and Loomis was taken care of and the tables cleared to receive that we hope to collect on Tobago.



444.1

Negative 58051, Lecythis zabucajo, Sapucaia Nut. This picture was taken aboard the Yacht Utowana while at anchor in the harbor, Port of Spain. It is a nearby view of two of the nut pods. At the left the pod is capped but the one on the right is uncapped. In the foreground is one of the many nuts found in the pod or husk. The unopened pod at the left is 9 1/2 inches in height and 31 1/2 inches in circumference and weighed 12 pounds. When the pod or husk opens we will count the nuts it contains. See picture #58078. Normally the nuts are about 1" in diameter and from 1 1/2" to 2" in length. The quality of this nut, by many, is said to be superior to that of the Brazil Nut of commerce.

445

Friday February 19, 1932.

All hands were up early this morning so as not to miss any of the beauty and grandure of the approach to and anchoring at a new (For most of us) Island.

It was just about 7 A. M., breakfast time, when we slowly moved into the harbor of Scarborough on Tobago Robinson Crusoe's Island, Scarborough which has a population of less than 1000 is near the Southwestern portion of the Island and at one time was known as Port Louis. 445.1

Tobago is reported to have first been discovered by Columbus in 1498 and to have changed hands more often than any Island in the West Indies.

After breakfast Dr. and Mrs. Fairchild remained aboard but Mr. Armour, Miss. Nancy Bell Fairchild, Toy, Loomis and Dorsett went ashore and visited the small Botanical Garden not far from the landing-stage. We found quite a large collection of palms and a number of other interesting plants there. We secured scions of variegated citrus and seed of a number of palms we have not observed on the other islands at which we have stopped and also of a few other plants of interest and made a number of pictures. After seeing the garden we took a ride of about an hour in the nearby country, for the most part through coconut plantations.

It was a little past noon when we returned to the Yacht and at 1.30 P. M. broke anchor and headed on en route to Man of War Bay at almost the Northeastern portion of the Island. We arrived in the minor inlet, which bears the suggestive name of Pirate's Bay and dropped anchor about 4. 30 P. M. The small Bay and its surroundings are exquisitely fascinatin and beautiful. To me (Dorsett) this is by far the most romantic and wonderfully beautifull of any of the ports of call we have thusfar seen.

As soon as the Port Launch and a row boat could be lowered and made ready, which was about an hour after anchoring, Dr. and Mrs. Fairchild, Toy, and Dorsett were ready to go ashore. Because there was no other than a beach landing, with which no one aboard the Yacht was familiar, Mr. Armour sent 5 of the crew with us to assist if necessary in seeing that we got safely ashore.

When within 100 or 200 yards of the shore, Dr. and Mrs. Fairchild, Toy and Dorsett transferred to the small row boat maned by one of the Yacht's crew

and three of the crew, one man being left with the launch.

We made a safe, but what might have been a very unfortunate landing. As it turned out, I (Dorsett) consider it most amusing and exceedingly spectacular. The row boat came in on a combler but veered a little to the left and before the oarsmen could overcome this disadvantage and head her direct for the shore another combler hit us and the boat all but capsized. As a result of this mishap, Dr. Fairchild was thrown into the water, Mrs. Fairchild and I (Dorsett) jumped out and assisted the Dr. to his feet, Toy came out of it with only wet feet, the officer, who had Dorsett's camera was thrown into the water but succeeded in keeping the camera dry and the three oarsmen were also thrown into the water.

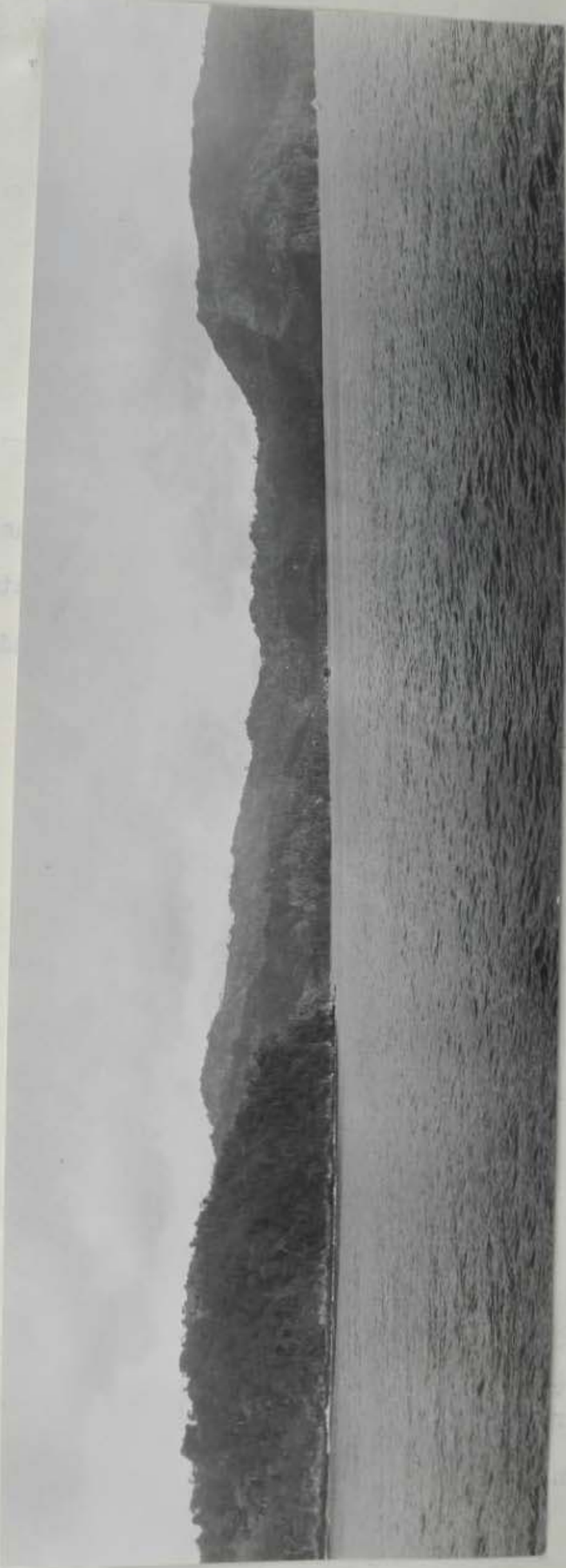
Fortunately the water where we attempted to land was only about knee deep and we had no difficulty in wading ashore. The row boat was pulled up on the bank and the water was dumped out.

As can well be imagined this unexpected and spectacular landing, practically on the door step as it were, of the small village of Charlotteville, attracted quite a crowd, especially of children, and Dr. Fairchild in his wet clothing was in his glory among this crowd. See pictures #58053 and 4 which follow at the end of today's notes.

We were only ashore for a short time but long enough to see something of the village of Charlotteville right along the shore and on the sides of the ascending mountains. During our short stay ashore we had the pleasure of meeting Mr. and Mrs. E. J. H. Thomas who have lived here for 30 years and are the only white people among the 1200 inhabitants. 446.1

When we returned to the Yacht Mr. Armour was provoked on account of our unfortunate landing. He saw the spill from the Yacht and was very much worried until our return for he did not know the results. He rather chided us for not being more careful and expressed himself as being surprised at our all getting into the row boat in place of having it make two trips and warned us to be more careful in the future so as to guard against the serious results that might happen under similar conditions.

Such of the pictures made today as are worth while follow.



Negative # 58052 From the deck of the yacht
Uluwaa in Man of War Bay en route to Pirat's Bay
and the village of Charlatterville - on Tobago island.
Feb 19-1932. It gives a very good idea of the much-
dirtly surrounding country.



Negative #58053, A Sea Shore scene at the village of Charlottevill, Tobago where we landed after being dumped into the surf from a small boat.

Dr. Fairchild who was dumped into the water after going ashore was surrounded by a croud, for the most part children. He took his ducking good naturedly and is here shown distributing to the children some candy which he happened to have in his pocket. Feb. 19, 1932.



Negative #58054, Aslightly different and a somewhat better view of the Dr. and the crowd about him. Mrs. Fairchild at the extreme right of the picture is enjoying the fun.



Negative #, 58055, Land and Seascapes. This view was taken from the deck of the Utowana while she lay at anchor in Pirate's Bay at the Island of Tobago. It shows a portion of the village of Charlotteville and the country beyond. February 19, 1932.



Negative #58056. Land and Seascape. Apuroua
View from the deck of the yacht Utouana while riding
at anchor in Port of Tobago. Island of Tobago - St. John
are exposure of the immediately surrounding country
as well as a portion of the Bay. February 19-1932

Saturday February 20, 1932.

About eight this morning Dr. Fairchild and Loomis left the yacht for the shore and a days explorations back some little distance into the surrounding mountains. Mr. Thomas accompanied them on this trip. Toy and Dorsett remained aboard and worked with the accumulated plant material, photographs etc. until lunch. After satisfying our appetites, Miss. Nancy Bell Fairchild, Toy and Dorsett went ashore and climbed to the top of one of the taller of the nearby mountains, some 1,800 feet. We were surprised to find on the way, almost from the bottom to the very top, plantations of sweet potatoes, bananas, and cacao. Near the summit we found three interesting species of palms and brought back herbarium plant material but were unable to find any mature seed. 451.1

We did, however, secure seed of an interesting Dyospyros or a closely related species also seed of a large fluted pod bean with large black seed and found and photographed a very large and handsome Bromelia in full bloom but were unable to get seed of this. 451.2 451.3

When Dr. Fairchild and Loomis returned in the rather late afternoon they brought with them a fine lot of interesting plant material and quite a quantity of seed and reported having had a wonderful trip and a most interesting day.

Such of the pictures made by Dorsett today as are worth while follow.



Negative #58057, Bromelia Sp.

452.1

This, rather, nearby picture of a large and remarkably handsome flowering plant, which is being held by Miss Fairchild was, with considerable, difficulty from the crotch of a large limb some 20 feet or more up a large tree. The flower spike is some 5 feet in height and contains numerous red, yellow and purple flowers. We were not able to find ripe seed of this handsome and interesting plant.

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ALLISON V. ARMOUR
AGRICULTURAL EXPEDITION
1931-1932

VOLUME 11

FOR THE
UNITED STATES DEPARTMENT OF AGRICULTURE

WITH THE
YACHT UTOWANA

VISITING ISLANDS OF
THE

BRITISH WEST INDIES
ALSO
BRITISH AND DUTCH GUIANA.

AGRICULTURAL EXPERIMENT STATION



Negative #58058, Maba inconstares. 453.1

A nearby picture of what we took to be diospyros when it was collected, but later was identified as the above but is closely related to the persimmon. The fruit is unripe and as a result only herbarium specimens and a few scions were secured.



Negative #58059, A vista view of a portion of a portion of Pirat's Bay, Tobago Island, B. W. I. from near the top of Pigeon Mountain. It shows at the right a long line of the white-crested beach combers and at the left the Yacht Utowana, our home.



454.1

Negative # 58060, Euterpe oleracea. So called cabbage palm.

This view shows only fairly well a specimen of one of number of palms seen near the summit of the 1,800 foot mountain. No seed were ripe but herbarium specimens were secured.



Negative #58061, Sea and land scape from Pigeon Hill or mountain, Tobago Island. The view shows a portion of Pirate's bay and in the background quite an expanse of Man of War Bay

455

Sunday February 21, 1932.

This is a wonderful morning and the surrounding scenery is carmingly beautifull and attractive. No one was in any especial hurry to leave the breakfast table for the laboratories below where there was much work awaiting. It is with considerable effort that yield to the inevitable and go below but once there all worked hard until about nine o'clock.

At that time or shortly there after Nancy Bell, Loomis and Dorsett went ashore in search of additional interesting plant material and to get any additional pictures which we consider worth while. Mr. Toy remained at work with plant material and his pictures.

Shortly after the departure of Nancy Bell, Loomis and Dorsett, Mr. Armour, Dr. Fairchild and several volentary seamen in bathing suits went in one of the launches went along the bluffs near the entrance to the Bay. Here the seamen went ashore and secured a number of plants, from among hundreds of Virgin Orchids growing on the stony bluffs, in locations where almost daily they are enveloped with salt spray or mist from the breakers and beach combers. Mr Armour and Dr. Fairchild were delighated with their mornings work and extremely enthusiastic and delighted with their experience and the results. 455.1

Shortly after Nancy bell, Loomis and Dorset left the Yacht Mrs. Fairchild went ashore and visited with the Thomas's. When we returned to the landing we found Mrs. Fairchild and Mr. and Mrs. Thomas there and by 12.30 we were all aboard. The Thomas's, who have lived here at Charlotteville for 30 years remained aboard for lunch and a short visit. They are English and very pleasant, nice and interesting people and I (Dorsett) feel sure that they enjoyed being aboard the Utowana and all of the exploration party enjoyed having them aboard for a short visit.

When the launch returned after taking the Thomas's ashore preparations immediately started for our departure and at 3.30 P. M. we broke anchor and headed out of Pirate's and Man-o'-War Bay. I (Dorsett) feel quite sure that I bespeak the sentiment of the entire personal of the exploration party when I say that two days stay in Pirate's Bay and in plant explorations in the vicinity of the village of Charlotteville is the most enjoyable thus far experienced on our journey and the regret at its end is general.

All remained on deck en rout out of Pirate's and Man-o'-War bay on our way to our next stop, Georgetown,

British Guiana., where we are scheduled to arrive at about eight o'clock Tuesday morning. The outgoing from Tobago was wonderfully beautiful and very much enjoyed, but when pretty well out and really well on our way and were ready to go below and to work we found the sea pretty rough and it was not long before the most of the exploration party, especially, Toy, Loomis and Dorsett felt more or less disposed, however all kept at it. Up until the time dinner was called, 7.30 P. M. Dorsett worked on developing his pictures and the remainder of the force with plant material.

After a wonderfully nice and enjoyable dinner all hands worked on numbering and caring for propagating material and on herbarium specimens, with more or less interest and enthusiasm until about 10 or some what later.

If all goes well tomorrow and the sea is not too rough we hope to clear the laboratory tables of the plant material collected during our two days stay at the Island of Tobago. If we are successful in this accomplishment we will be in fine shape for what ever turns up at Georgetown, British Guiana where we are likely to spend quite a little time. Georgetown is a large city with a Botanical Garden 150 acres in extent.

Such of the pictures made today as are worth while follow.



Negative #56062, Landscape. February 21, 1932.
View from an upper part of the village of Charlotteville,
Tobago Island, looking across a small canon to a small
chapel and cultivated and uncultivated mountain sides.



Negative # 56063. Species of the order Araceae sp
A rather nearby view of a tall climbing, large leaved
aroid. a short distance North of the village of Charlotte-
ville, Tobago Island, February 21, 1932.



458.1

Negative #58064. Probably a Sp. of Zingibereae. A nearby view of Miss, Nancy Bell Fairchild holding large flower clusters of what we think is perhaps a Sp. of Zingibereae. The flowers are pinkish red, and quite attractive.



458.2

Negative #58065. Undetermined but probably a Sp. of lagume. A nearby view of a portion of a flowering vine quite probably a Sp. of lagume. Flowers white and pinkish. In the wild near Charlotteville, Tobago Island February 21, 1932. No seed ripe and therefore none secured.



Negative #58066, Land and water-scape. A vista view through banana leaves, showing beach combers along a portion of Man-o'-War Bay, Tobago Island and a small portion of the mountain. February 21, 1932.



Negative #58067, Undetermined. A nearby view of spiny fruit pods of an unknown tree on the mountain side near the village of Charlotteville, Tobago, Island. February 21, 1932.



460.1

Negative #58068, Erythrina Sp. Immortel. sp.
 This view is looking somewhat downward at the tops of
 a number of pink flowered Erythrinas on the side of
 a mountain canon side near the village of Charlotte-
 ville, Tobago Island. This is a very spectacular
 and handsome tree on the mountain sides here and
 elsewhere in the B. W. I. Februar 21, 1932.

Copy needed.

Negative #58069. Land and Water-scape, A vista
 view through or between overhanging Cecropia leaves
 of the Yacht Utowana at anchor in Pirate's Bay,
 Tobago Island, February 21, 1932.



Negative #58070. Street scene in the village of Charlotteville, Tobago, Island. It shows a neatly dressed, native woman in the foreground. Feb. 21, 1932.



Negative #58071. Land and Sea-scape. The view shows a portion of the water front of the village of Charlotteville, Tobago Island. February 21, 1932.



Negative # 58072. Land and Water-scape, an other and somewhat different view of the water front at Charletteville, Tobago Island. Feb. 21, 1932.



Negative #58073. Street view. View along one of the principal streets of the village of Charlotteville, Tobago Island, Feb. 21, 1932.



463.1

Negative #58074. *Diacrium cicornutum*. Virgin orchids. A view aboard the Yacht Utowana showing Mr. Toy placing a label on the plants that were collected from the overhanging bluffs of Tobago Island. The bluffs are along the ocean and near enough to be daily or almost daily surrounded with the ocean spray. These are the plant which Dr. Fairchild, Mr. Armour and several volunteer members of the crew collected in the early part of today February 21, 1932



Negative #58075. *Eniada polystachya*. A nearby view of fruiting branches of the above plant. The picture was made aboard the Yacht Utowana, Feb, 21, 1932 while she was at anchor in Pirate's Bay, Tobago Island B. W. I. February 21, 1932

464.1



465.1

Negative # 58076. Undetermined Legume. A nearby view of seed and seed pods of a large growing forest tree from the Mora Forest, Trinidad, B. W. I. This picture was taken aboard the Yacht Utowana while at anchor in Pirate's Bay, Tobago Island, Feb. 21, 1932.

Monday February 22, 1932.

En rout to George Town, British Guiana, aboard the Yacht Utowand. Although the day the sea has been quite rough and as a result none of the boys of the exploration party have felt very much like working but they managed to carry on in a way and by the time it was bed time we had our work pretty well cleared away and every thing in fairly good shape.

During our work with the plant material we observed that the cap of the large Sapucaia Nut was off. This was the one that was presented to us by Mr. R. O. Williamson at Port of Spain, Trinidad.

In view of the size and unusual interest of this nut we tried a shot of motion pictures and also made several snap shot pictures.

Such of the pictures made today as are worth while follow.

58077

Unable to find this negative,
It may be one of the Sapucaia Nut.
and may turn up later.

Negative #58077.



467.1

Negative #58078, Lecythis zabucaja. Sapucaia Nut.

This nearby view taken aboard the Yacht Utowana while en route from the Island of Tobago to Georgetown, British Guiana shows at the left in the background the cap, at the right the seed pod or shell and at the left in the foreground the white arilis by which each seed was attached to the interior of the pod or husk and at the right the 40 seed which we took from the pod or husk. February 22, 1932.



468.1

Negative #58079. *Lecythis Zabucajo*, Sapucaia Nut. The view shows Dr David Fairchild holding the large nut pod. In picture #58080 he is shown removing the cap to the large seed pod. Taken aboard the Yacht Utowana while en route to Georgetown. February 22, 1932.



Negative # 58080 *Lecythis Zabucajo*,

In this view, which was made almost immediately after the Dr. removed the cap shows him with the cap in his left hand and looking at the nuts packed in the large husk or pod in his right hand. The pod contained 40 nuts, each of which was about 1 in diameter and 1.2 or 2 inches in length. The seeds were sent into Washington under A. V. A. #424. Taken aboard the Yacht Utowana, while en route from the Island of Tobago to Georgetown, British Guiana. February 22, 1932.

Tuesday February 23, 1932.

It was about 9. A. M. when we arrived near the Damerara light ship which marks the bar formed by the Demerara river. This bar can only be crossed by passenger ships at high tide and as we missed a high tide it was necessary for us to drop anchor and await high water. Here we took on a pilot and at 1 o'clock his time, 2 P. M. our time ~~XXXXX/25XXXXXX~~ we weighed anchor and were on our way in. We arrived in the harbor at Georgetown and cast anchor several hundred yards out from the Government Jetty.

We were ashore by 4.30 p. M. and went first to the Customs Office where Mr. Armour and Dr. Fairchild attended to business incident to our anchoring and remaining in the harbor. While Mr. Armour and Dr. Fairchild were attending to the above matters, Mrs. Fairchild, Loomis and Dorsett visited the market nearby and were a short time joined there by Dr. Fairchild and Mr. Armour.

The market is a huge building which reminds me of the Bazar in Peking, China, except that the stands or stalls are by no means as attractive and fascinating and the fruit, candy, nuts, pickle and preserved fish and meat stands always found in large Chinese markets do not exist in this market.

We found in the market proper and also in the overflow market on the outside quite a large and interesting collection of miscellaneous fruits and vegetables as will be shown by the accompanying list.

Among the fruit collection the three following are of the most interest.

Friday March 18, 1932.

We remained in the harbor of Phillipsburg during the night and about 5 o'clock this morning broke anchor and headed almost due West for the island of Tortola almost due East of Porto Rico, U.S.A.

It was about 3.30 in the afternoon when we reached our destination and dropped anchor in the harbor of the village of Harrigan. Shortly after anchoring we all went ashore. We saw in the outskirts of the village one of the largest and finest mango trees we have thus far met up with. Practically all of the mangoes are in full bloom. We secured scions of three mangoes, said to be their best.

On account of this being Mr. Armour's birthday, all returned to the yacht early for the crowd plan on giving him a surprise. Mrs. Fairchild made a coat of cotton cloth and Mr. Hart, one of the Officers of the Utowana decorated it in water colors, it contained men, new and interesting trees, shrubs and fruits, as well as scenes illustrative of the results of the trip.

Arrangements were made with "Sparks" the wireless operator on the yacht to have a number of cables reach Mr. Armour at the dinner table. From different roots, tubers, seed etc. we made a goodsize animal somewhat resembling an Iguana and marked it undetermined species.

Mr. Armour entered heartially into the affair and every one enjoyed the occasion and all had a lot of fun.

631

Saturday March 19, 1932.

About 8.30, shortly after breakfast we planned for going ashore. Dr. Fairchild decided to remain on board and see what he can do in the way of working up some of the accumulated plant material.

Mr. Armour, Miss Nancy Bell Fairchild, Loomis, Toy and Dorsett went ashore. The Commissioner met us at the landing and escorted us to the Experiment Station just at the outskirts of the village of Harrigan. The Commissioner's name is Mr. F.C. Clarkson. He proved to be a rather interested gentleman and we enjoyed our visit at the garden with him. 631.1

The Experiment Station while small contained some very good and interesting plants, some of which we secured seed. We also made a few pictures there.

After leaving the Experiment Station, Mr Armour and Miss. Nancy Bell Fairchild returned to the yacht. Mr. Toy went with an assistant to get scions of several of the best mangoes growing on the island and Loomis and Dorsett secured a guide and climbed to the top of the ridge back of the village and returned by a different route. 631.2

All hands were back on board by 4.00 P. M. and by 4.15 we broke anchor and headed in a southwesterly direction en route for the island of Beata our next port of call. We are due to arrive there some time Monday.

Beata is the uninhabited island we visited on our outgoing trip January 17, 1932. It was here we found the tall growing, slender stem palms, *Coccothrinax* and also the large flowered *Hibiscus* (later named by Mr. Luton, of the National Museum) *Montezuma armouria*. in honor of Mr. Allanson. V. Armour. We hope on this trip to get more seed of the palm and also to find the seed on the *Hibiscus* shrub fully ripe, so that we can get a lot to take home for we consider this new find well worth while. 631.3 631.4

Such of the pictures made today by Dorsett as are worth while follow.



Negative # 58256. Sea and Launderer,
 a panoramic picture taken from the deck of the yacht-
 Ulbawa, while at anchor in the harbor of the village
 of Ikaregon; Ivotola. The view shows a portion of
 the harbor and the village also a portion of the
 immediately surrounding country. March 1st - 1932



633.1

Negative #58257, Mangifera indica, Mango

View of a groupe of several very fine mango trees whicha are almost completely covered with bloom. These are the finest looking trees we have senn thms far. Near the village of Harrigan, Island of Tortola, March 19, 1932.



Negative #58258, Land and Waterscape.

View from the window of the Sugar Mill near the Experiment Station Tortola In the foreground is a quantity of sugar cane refuse and a mule feeding upon it. The yacht Utowana rests at anchor just beyond the point of land in the distant background, on a line directly over the mule in the forground, March 19, 1932.



634.1

Negative #58259, Undetermined palm,
This picture was taken in the Experiment Station
or Botanical Garden near the village of Harrigan,
island of Tortola. It shows one of the garden
assistants among the leaves near the top. He is
getting seed for visiting party. March 19, 1932.



Negative #5826, Undetermined palm.
This picture is practically the same as the above.



Negative #58261, Mangifera indica. Kidney Mango.
View of a fine well formed specimen plant of this, so
called Kidney Mango. It is an open field at the out
skirts of the village of Harrigan and along the trail
we took to climb to the top of the mountain ridge near
but back of the village. Scions numbered A. V. A. 3833.
March 19, 1932.



Negative #58262. Land and Seascape.
View from well up the mountain side on our climb
to the top of the ridge to the northwest of the village
of Harrigan, Tortola. It shows a portion of the village
at the foot of the mountain and a portion of the harbor.
It also shows the Utowana at anchor just beyond the small
island directly in front of the village. March 19, 1932.



Negative #58263, Landscape. View of the mountain side to the westward of the village of Harrigan from the trail Loomis and Dorsett traveled to the top. It shows how completely the mountain side have been and are, even now, being cultivated. March 19, 1932.



Negative #58264, Land and Seascape. View from fairly well up the trail Loomis and Dorsett traveled on their return to the Village of Harrigan. This view shows a good portion of the village in the distance to the right and beyond a portion of the harbor and the yacht Utowana at anchor there March 19, 1932.

Sunday March 20, 1932.

At sea en route from the Island of Tortola to Beata the uninhabited island we visited on our outward exploration trip. We are due there some time tomorrow.

The sea is fairly calm and we are making good headway in getting our accumulated plant material written up and in good shape and if all goes well throughout today and tomorrow prior to arrival at Beata we will have our notes and photographs practically up to date.

Beata is a most interesting island and we hope that we can remain here for several days. Some of us, especially Toy, Loomis and Dorsett would very much like explore more of the interior of the island and also along the southern and eastern shore. However we doubt if our stay at Beata will be sufficient to enable us to realize these desires.

Monday March 21, 1932.

We arrived off the West coast of Beata about 11.00 A. M. and headed up to safe anchorage within a short distance of the shore and very near to where we made our second anchorage on our previous visit.

Shortly after dropping the hook one of the launches and the row boat was lowered and the entire party, with the exception of Dorsett, went ashore for a dip in the ocean. Dorsett remained aboard to finish up some important work on which he was engaged. The gang was back aboard for an early lunch, which all enjoyed.

After lunch Loomis and Toy went ashore to climb the bluff and, if possible secure an additional amount of seed of the tall growing slender stem palm ~~XXXXXX~~ Coccoloba Sp. On their return in the launch one of the crew caught a fine Spanish Mackerel and an 8 pound Grouper. 637.1

About 4.00 P. M. Mr Armour, Dr. Fairchild and Mr. Hart, one of the yacht's officers, went fishing. Dorsett was also with the party.

Dr. Fairchild had a strike or two but was unsuccessful in hooking his fish but a little later hooked one. While reeling him in he had another strike but in place of hooking that boy he lost the fish he hooked, all but his head.

Shortly after removing the fishes head and getting his hook back in the water he hooked and landed a rather small Yellow Snapper. Mr. Hart landed an 8 or 10 pound Grouper. A little later Dorsett had a strike and was successful in landing a fairly good size Red Snapper and a few minuits. he landed one weighing 8 or 10 pounds. It is the largest fish Dorset ever hooked and landed and he had a lot of fun reeling the big boy in and landing him. Very shortly after Dorsett got his spoon and hook out he had another strike and the fellow hooked carried away hook, spoon and a good portion of the line, A great disappointment for the boy for that fish sure was a whale and no doubt would have made things lively for Dorsett.

It was about 6.00 P. M. when we quit fishing and reeled in our hooks. We saw Loomis and Toy ashore and pulled over and picked them up. They were successful in getting quite a nice lot of seed of the slender stem palm. After picking up Loomis and Toy we went back to the Utowana where we enjoyed a fine dinner and later a delightful evening on deck.

638.1

Before retiring we got our cameras and collecting outfits in shape for an early dash for shore tomorrow, when we hope to get a quantity of seed and also a number of pictures.

Tuesday March 22, 1932.

Mr. Loomis got out between 4 and 5 this morning and went fishing. Before breakfast and brought back several nice ones, Loomis landed a Grouper estimated to weigh 25 pounds he is a big fellow.

After breakfast Mr. Armour took Mrs. Fairchild, Miss. Nancy Bell Fairchild, Toy and Dorsett to the northeastern end of the island, where we first landed on our previous trip and where we found the new, and most interesting Hibiscus, (Later named in honor of Mr. Armour, Montezuma armouria.) When here before we thought the seed pods, large and green would surely be ripe within a month or such a matter.

638.2

We were in high hopes this morning when we started out that we would be able to get a nice lot of seed of this fine ornamental flowering shrub but were sadly disappointed for we found the seed pods, apparently in about the same degree of ripeness as they were when we were last here. We

Tuesday March 22, 1932.

also found that the plants are still in bloom. We got another batch of cuttings and also a quantity of the ripest of the seed pods we could find.

During the time the party noted was ashore, some two hours or such a matter, Mr. Armour and Loomis were fishing and were successful in getting several nice ones and among them one Barracuda, a voracious Pike-like fish, about 36 inches long. We understand this is not considered of any value as a food fish. All that we have caught have been thrown away.

We made a launch trip along the northern and western shores of the island clear down to the southwestern extremity. We noted the Cocthrinax Sp along the coast and quite well back throughout this entire distance. 639.1

All were aboard for an early lunch which was most welcome and very much enjoyed. A short time after finishing lunch Loomis and Dorsett went ashore near the southwestern end of the island. Here they found a palm we have not thus far seen. The plant was about 5 feet in height and is growing in more or less in fan shape. We only found this one plant and it is too young to bear seed.

This palm is about the only thing of real interest we run across on this afternoons jaunt. About 6 in the afternoon all were aboard and ready for lunch when it was served a little later.

During lunch we learned that we are scheduled to break anchor and leave Beatta about midnight en route to Guantanamo, Guantanamo Bay, where we will take on oil for the remainder of the trip back to Miami and on up to Washington and then to New York.

Such of the pictures made today as are worthwhile follow.



Negative #58266. Pelicans. Pelicans at rest a short distance of the northern shore of the island of Beata where these large fish-catchers and eaters nest and raise their young in considerable numbers among the coral or lime stone cliffs. March 22, 1932.



Negative #58265. Pelicans. In flight, It is extremely interesting to get behind a clump of grass or bushes and watch these large rather awkward birds, one, two, three or more fold their wings and dive into the clear blue water for their breakfast, lunch or dinner and for snacks off and on throughout the day Mar. 22, '32

Tuesday March 22, 1932.



Negative #58267, Pelicans. In flight but about to light. It impresses me that this would be an excellent place to watch these interesting fish eating birds and also to study their life history. The cliffs for the most part are very accessible and this appears to an excellent feeding ground.



Negative #58269, Montezuma armouria, Hybiscus. A rather nearby picture of fruits and flowers of this new and most interesting ornamental flowering plant.

The flowers are a light yellow in color with a large yellow pistal and are very attractive. When here January 17, 1932 we found flowers and seed pods practically the same as these, that was 2 months ago. In view of this fact we assume that it has a very long flowering season. The seed do not appear to be any nearer ripe today than they were 2 months ago.. Seed although very green and cuttings or bud-wood sent in under #2617, A. V. A.

641.1

Tuesday March 22, 1932.



642.1

Negative #58269. Montezuma armouria, Hy-
biscus. A nearby view of foliage, fruit pods and a
few of the lowers, hard to see. These are from the
same plants as those in the preceeding picture were
taken from. The picture, however is not so good,
but the foliage shows up better than in the other
picture. March 22, 1932.



642.2

Negative #58270, Celastrus Sp. Mr. L. R.
Toy is at the right and a little in front of the
plant of which we secured seed for trial. March 22, 1932.

Tuesday March 22, 1932.

612

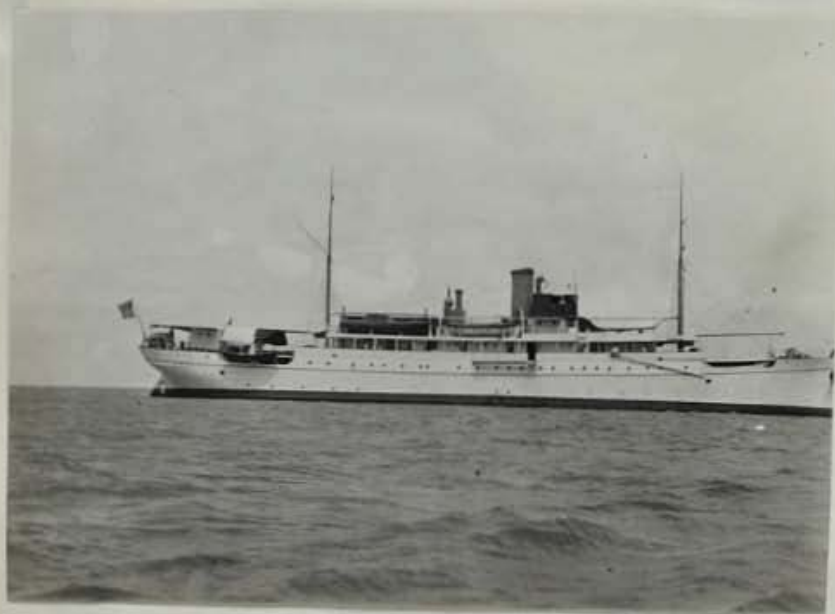


Negative #58271, Sea and Landscape. View of a portion of the coral or lime stone bluffs along the northern side of the island of Beata. On the tops of these bluffs as well as on somewhat lower levels the tall, slender stem palm, Coccothrinax Sp grow in considerable quantity. March 22, 1932.



Negative #58272, The Yacht Utowana, At anchor a short distance from shore on the westwards side of the island Beata, March 22, 1932.

Tuesday March 22, 1932.



Negative #58273, The Yacht Utowana.
Another and somewhat nearer view of the yacht than that shown in the preceding picture. This is more of a broad side view and shows pretty well her starboard side. March 22, 1932.



Negative #58274, Sea and Landscape.
Aco Cocothrinax Sp. This view from one of the launches from the yacht shows a portion of the southeastern extremity of the Island of Beata. Among the bush can be seen many of the tall, slender stem palms with their plume like heads towering above the bush. March 22, 1932.

Tuesday March 22, 1932.



Negative #58275, Water and Landscape, Also Cocothrinax Sp A broad side view of a portion of the western coast line of the Island of Beata. Note among the bush the towering plume like heads of the tall growing, slender stem palms. March 22, 1932.



Negative #58276, Sea and Landscape, Also Cocothrinax Sp This view shows a portion of the southwestern point of the island of Beata. Here can readily be seen a goodly number of the tall, slender stem palms among the bush

Tuesday March 22, 1932.



Negative #58277, Sea and Landscape. Also Cocothrinax Sp. View from the yacht along a portion of the western shore line to the northward. Island of Beata. The small slender stem palms are here to be seen in considerable quantity. March 22, 1932.

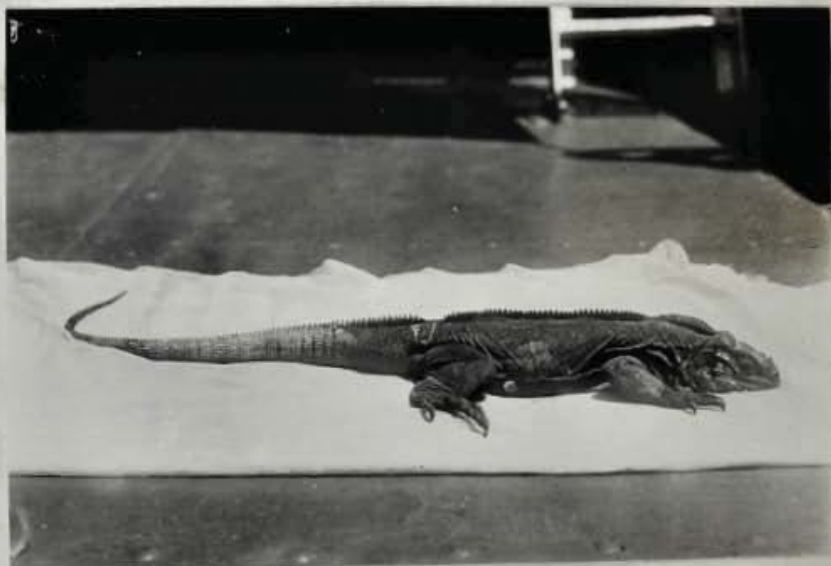


Negative #58278, Sea and Landscape. Also Cocothrinax Sp. A broad side view of a portion of the western shore of the island of Beata. Back a short distance in the bush can be seen the tall, slender stem palm with their heads above the bush. March 22, 1932.

Tuesday March 22, 1932.



Negative #58279, Sea and Landscape, Also Cocothrinax Sp. Broad side view of a portion of the west shore of the Island of Beata. March 22, 1932.



Negative #58280, Iguana Sp. Meat for dinner. This large fellow is only one of very many of these animals which live in the brush and among the coral or lime stone bluffs on the island of Beata. This fellow was bagged today by one of the yacht's Officers and tomorrow or within a few days we will be feasting upon him. He is not a bad looking and we understand is not dangerous. March 22, 1932.

Wednesday March 23, 1932.

We weighed anchor at 12 midnight and headed out to sea from the island of Beata, en route for Guantanamo on Guantanamo Bay near the southwestern extremity of the island of Cuba. Where we anchor long enough to tank up with fuel oil for the run to Florida and on to Washington and New York.

The ocean has been rather calm throughout the day and the entire exploration force have kept pretty constantly at their work. As a result of this we accomplished a lot and tonight things are pretty well straightened out and in pretty good shape.

About 11 o'clock this morning there was considerable commotion on deck. We went up to learn what it was all about and found Mr. Armour and the ladies were lookin from the starboard deck to some whales quite a distance away. The whales were spouting but the columns of water were not very high or very spectacular.

Thursday March 24, 1932.

We arrived in the Bay of Guantanamo about 9. this morning and about 10 A. M. was at the dock and arrangements practically completed for tanking up with fuel oil. We understand this will require the best part of the day.

Toy and Loomis went ashore to do a little exploring. The remainder of the party stayed aboard and began to get things in shape for our landing in Miami about the last of the month or first of April.

There is a possibility that we will call at Cape Haitien, Haiti before going on North. If this stop is made it will be primarily for the purpose of giving the exploration party a chance to visit and see the ruins of King Henri Christophe's castle of Sans Souci at Milot a few miles out of Cape Haitien and also the ruins of the Citadel at La Ferriere on the top of the mountain Le Bonnet, a l'Eveque. We did not get out today but will sometime tomorrow.

Monday April 4, 1932.

692

In cleaning up and getting things in shape for our departure tomorrow and also to have things in shape for my leaving the yacht when the plants are delivered in Washington, I came across the following. Apparently the last minute thought of and thrust from our leader. It is interesting and pertinent to the plant explorations just completed and I feel should be included in this report.

"To Howard."

Crocs from the bottom

Larias from the top

Crotolarias from every

damed place we stop

Crocs from here

Larias from there

Crotolarias from everywhere."

In order to check Howard Dorsett's immense desire to collect Crotolarias I was forced to lapse into Poetry with the above feeble results. It is needless to say it had no effect. He kept right on gathering Crotolarias".

Utowana, April 1, 1932, (Signed) D. F."

List of plant casualties among the number secured by the Allison V. Armour Agricultural Expedition and brought aboard the yacht Utowana between December 29, 1931 and April 1, 1932. Additions may have to be made to this list before the entire cargo is landed in Washington.

- A. V.A #255--Undetermined palm from Nassau.
2665 Ficus parcellii.
2673 Cleodendron ugandense.
2683 Corypha utan.
2685 Pandanus pacificus.
2690 Calliandra tergemina.
2694 Oxalis dispar.
2696 Agave Sp.

Monday April 4, 1932.

A. V. A. #'s continued (Death list)

- 2697--*Pandanus luzonensis*.
 2698 *Memordica cochinchinensis*.
 2699 *Ravenala guianensis*.
 2711 *Enterpi* Sp.
 2755 *Anthurium* Sp.
 2793 *Ficus* Sp.
 2852 *Eugenia malacinsis*.
 2862 *Corphy umbraculifera*.
 3673 *Annas* Sp.
 3734 *San Paneil Mango*.
 3870 *Petrea* Sp.
 3871 *Euterpe oleraceae*.
 Dorsett's #22 *Cocothrinax* Sp.
 Plant material unnumbered.

Pandanus pacificus.
Corpha umbraculiformis.
Bougainvillea, Hybrid.
Cocothrinax Sp
Norantea

There follows a newspaper clipping from today's Miami Herald, regarding the expedition and its return.

This winds up the records and news of the day in so far as I (Dorsett) am concerned and I will now hit the hay so as to be in condition for getting out early in the morning.

NEW PLANT SPECIES BROUGHT TO MIAMI

Miami Herald - April 4-1932
Agricultural Scientists Find Palms, Windbreaks, Ornamentals, Vegetables and Fruits Valuable To Florida and Southeastern United States, But Fail To Find the "Long Cotton" Sought By South.

Allison V. Armour's yacht Utowana, loaded with foreign plant species of untold value to Florida and southeastern United States, docked in Miami yesterday, ending a three months' expedition through the Caribbean sea, touching at 32 islands from the Bahamas down through the Leeward, Windward and Trinidad groups to Demerara and Surinam on the coast of South America, and covering more than 8,000 miles of sea. Forty-five anchorages were made during the cruise on which Mr. Armour took Dr. David Fairchild and P. H. Dorsett, noted agricultural scientists; H. F. Loomis of the staff of the division of cotton and rubber plant investigations of the United States Department of Agriculture, and L. R. Toy of the new Homestead branch experiment station of Florida. It was the ninth expedition made for the United States Department of Agriculture by Mr. Armour, who recently has been awarded the Frank N. Meyer medal for plant introduction. The expedition left Miami last December 30.

Approximately 700 selected plant species were obtained by the expedition, some of which were sent on ahead by airplane to the experimental station at Chapman Field. Dr. Fairchild reported.

The aim of the expedition was to get seeds or cuttings of any species of plants which might enhance the agricultural wealth or increase the beauty of Florida and other Southeastern states.

The yacht Utowana is equipped with a laboratory, library of scientific books, photographic dark room, special apparatus for the quick drying of seeds under forced draught and warden portable greenhouses in which to root cuttings or suckers or plants.

Experiments were conducted aboard the yacht as soon as the various species were obtained. When new vegetables were found the yacht chef prepared them to experiment with their food values.

The expedition's search for rare palms was most successful, but no trace could be found of the long cotton believed to have been in the islands, Dr. Fairchild said. Through the co-operation of British, French and Dutch officials and scientific men on their staffs, it was possible during the short stays made to get more species of valuable plants than could have been obtained had the members of the expedition been obliged to ferret out and discover in

Please Turn To Page 2

(Continued from Page 1)

the wilds all the plant material collected, Dr. Fairchild pointed out.

"Such search as was possible in the limited time available for the aboriginal wild progenitor of the Sea Island cotton, believed still to exist somewhere in the islands of the West Indies, proved futile," Dr. Fairchild reported.

"Nowhere was there the slightest trace or evidence that tended to corroborate the theory of the origin, at least in comparatively recent times, of this long Sea Island cotton, anywhere in the Bahamas or in the Windward, Leeward, or Trinidad group of the West Indian islands. If cotton of this type did originate there, it has been either so changed by hybridization as to be unrecognizable, or has disappeared through causes of which we are ignorant.

"The search for palms was even successful, and seeds of 80 species of these superb ancient forms of plant life were secured. Many of these seem never before to have been grown on the continent of North America. In the West Indies there is a wealth of these palms, but this wealth is rapidly disappearing through the destruction of trees that is now going on in almost all the West Indian islands.

"The importance of wind-break trees for Florida, Texas and California is becoming so evident that no opportunity was overlooked to secure seeds of any trees that were used for such a purpose, or trees that, because of their resistance to salt spray, and to excessive drought or to extreme calcarescent soil conditions seemed likely prospects for wind-breaks. A number of promising species were found.

"Good shade trees with heavy dark

green foliage or ones that are beautiful in the early spring and add charm to the landscapes, are of such importance in our Southern states that the seeds of all such trees were gathered whenever possible.

"Of bulbous flowering plants, several promising new or rare species have been collected. Of border plants that may add touches of bright color, or interesting forms and backgrounds to the gardens of the Southern and Southwestern states, a number that seem very promising were obtained. Of that great class of ornamental vines known as "Lianas" when they festoon tall forest trees but called "flowing creepers" when they cover a pergola, several new forms were secured, for, as was to be expected, many species of these gigantic vines abound in the jungles of Dominica and Trinidad, but particularly of Demerara and Surinam. In fact, no one type of plant is more characteristic of tropical vegetation.

"Mindful of the fact that annual plants, even those from the tropics, are often of real importance throughout the Southern states, where the summers are truly tropical, every annual legume and promising grass or other likely forage plant seen was collected. Among them were some interesting species of crotolaria, phaseolus, indigofera, cajanus, canavalia, pithecolobium, prosopis and tephrosia."

Tuesday April 5, 1932.

697

I was up early this morning and first thing after breakfast I gave careful attention to the seed flats, the seedlings and plants both on the upper and lower deck and also those in the hold so as to be ready for any emergency.

It is posted on the bulletin board that we sail at 1 P. M. and unless something unexpected turns up we will pull out at that time.

Shortly after breakfast Tom Fanelle and his men from Chapman Field drove up with the additional 24 seedling mangoes. After getting them safely located in the hold I gave Tom the following material to take to Chapman Field. The most of this material can be used there to advantage and it is not needed at Washington.

- 1000 Cotton seed bags, assorted sizes.
- 450 Herbarium blotters.
- 800 Herbarium sheets.
- 150 Sheets of wax paper.
- 50 Flower pots 4"
- 50 Flower pots 2"
- 6 Small shipping boxes for plants.
- 5 Pound (About) of grafting wax.
- 1000 small plant lab labels.

During the fore noon Dr. O. F. Cook, Messrs Loomis and Toy and the men from the Chapman Field came called and remained a short time and then wished all aboard and a pleasant and safe run to Washington, said good by and departed. A little before one o'clock, Dr. and Mrs. Fairchild and Miss. Nancy Bell Fairchild came aboard shortly, after many good wishes and good byes left the yacht.

At 1 P. M. sharp the lines were loosened and the yacht slipped away from here mooring and pulled out from the dock and from our many friends shouting goodby and waving us a safe and pleasant journey, en route to Washington, D. C. our destination, in so far as Dorsett and the cargo of interesting and valuable plants are concerned.

During the afternoon and evening, until bed time I was busy with my report and in arranging and packing my effects and also in straightening up the library and laboratory so as to leave things in as good condition as possible.

Monday April 11, 1932.

Thus, with the single exception of the sad and untimely death of Mr. Jordan Mott January 7, 1932 aboard the yacht Utowana at anchor in the harbor of Fort Nelson only about a 11 miles to the southward of the island of Conception. British West Indies. One of the Bahama group, is brought to an end one of the most remarkable, interesting and resouceful agricultural expeditions with which it has been my pleasure to be associated.

The following list of plant material comprises all that we brought to Washington aboard the yacht Utowana and today transferred to the Inspection house of the U. S. Department of Agriculture.

When this list was made it was not practicable for me to list the plant material either alphabetically or numerically, in orde.

A. V. A.

Number	Name.
3776--	Calophyllum antillanum.
3712--	Undetermined.
3692	Artocarpus integrifolia.
2987	Astrocaryum segregatum.
3762	Vangueria edulis.
3821	Mangifera indica.
3709	Mame americana.
3825	Clusia Sp.
3940	Manicaria sacifera.
3686	Thrinax Sp.
3727	Areca sp.
2986	Astrocaryum tucuma.
2957	Astrocaryum sp.
2955	Euterpe oleraceae.
3692	Artocarpus comuni.
3783	Thrinax sp.
2984	Mauritia flexuosa.
2980	Hypbaene thebachia.
3715	Anacardium occidentale.
2982	Livistona Hoogendorpii.
3829	Coccoloba sp.
3805	Malpigia glabera.
2983	Archonophoenix alaxandra.
3827	Bignonia sp.
3761	Inga lawrina.
3766	Garcinia sp.
3661	Quassia amara.
3804	Carsicum tristeescens.
3880	Haematoxylon campecheanum.
2702	Canarium commune.
3863	Undetermined.
3794	Brownea grandiflora.

Monday April 11, 1932.

List of plants continued.

A. V. A. #.

- 3853-- *Crotalaria* sp.
 3878 *Celastrus* sp.
 3763 *Ipomea umbellata*.
 3775 *Passiflora* sp.
 3851 *Bianchea sepia* *aria*
 3771 *Passiflora* sp.
 3834 *Cyrtostachys*.
 3725 *Centrosema* sp.
 3830 *Coccoloba* sp.
 3770 (Undetermined.) *Lonchocarpus daringensis*.
 3765 *Colliandra tergemina*.
 2954 *Areca* sp.
 3777 *Dioscorea* sp.
 3997 *Mantrichardia aculeata*.
 2968 *Diospyros* sp.
 2976 *Pachira* sp.
 2978 *Licuala grandis*.
 3691 *Zea mays*.
 3766 *Garcinia* sp.
 64 Dorsett's number, Mycological spec.
 3967 *Caesalpinia passyiega*.
 2961 *Acrocomia sclerocarpa*.
 2614 *Coccothrinax* sp.
 3707 Undetermined.
 3682 *Syzygium carmini*. Cummine.
 2977 *Capernicia cerifera*.
 2689 *Thrinax* sp.
 3798 *Philodendron* sp.
 3655 *Eugenia paniculata*.
 62 Dorsett's # Mycological.
 2966 *Samanea saman*.
 2848 *Diospyros embryoptera*.
 3800 *Cedrella odorata*.
 3711 *Crotalaria* sp.
 2990 Undetermined.
 63 Dorsett's # - Mycological.
 2708 *Citrus limonum*.
 3970
 3974 *Crotalaria* sp.
 3364
 2726
 3835 *Ficus* sp.
 2992 *Indigofera* sp.
 3803 Undetermined tree.
 2971 *Cipura martinicensis*.
 2935 *Ochna mossambicensis*.
 2837 *Canavalia* sp.
 2908 *Bauhenia vahlii*.
 3000 *Colocasia esculenta*.
Pachira sp.

Monday, April 11, 1932.

707

list of plants continued.

A.V.A.#.

- | | | |
|---------|---------------------------|-----|
| 3779--- | Undetermined. | --- |
| 2657 | Glactia longifolia. | |
| 2766 | Plumeria sp. | |
| 2964 | Asystasia gangetica. | |
| 2939 | Carica papaya. | |
| 2965 | Pithecolobium caribaen. | |
| 2960 | Bauhinia scarborough. | |
| 2958 | Zingiber sp. | |
| 2973 | Crotolaria sp. | |
| 2991 | Undetermined tree. | |
| 3657 | Undetermined. | |
| 3693 | Hibiscus abelmoschus. | |
| 3696 | Hibiscus sp. | |
| 3698 | Bauhenia tomentosa. | |
| 3701 | Cyperus (suranam.) sp. | |
| 3703 | Abroma angusta. | |
| 3704 | centrosema sp. | |
| 3705 | Phaseolus radiatus. | |
| 3706 | Pithecolobium sp. | |
| 3710 | Erythrina sp. | |
| 3713 | Tephrosia toxicaria. | |
| 3714 | Indigofera sp. | |
| 3716 | Bilbergia sp. | |
| 3719 | Aristolochia elegans. | |
| 3752 | Undetermined, vine. | |
| 3764 | Hamelia patens. | |
| 3772 | Sicana odorifera. | |
| 3774 | Erythrina sp. | |
| 3780 | Undetermined, tree | |
| 3781 | " shrub | |
| 3782 | " shrub | |
| 3790 | Tamarindus indica. | |
| 3798 | Phaseolus lunatus | |
| 3792 | Orchid sp. | |
| 3796 | Dolichos lablab. | |
| 3797 | Sanna obovata. | |
| 3801 | Indigofera sp. | |
| 3802 | Quassia amara. | |
| 3806 | Bromelia sp. | |
| 3807 | Psidium sp. | |
| 3808 | Undetermined water plant. | |
| 3809 | Undetermined, vine | |
| 3810 | " legume. | |
| 3811 | Coccoloba sp. | |
| 3812 | Bauhinia sp. | |

Monday, April 11, 1932.

List of plants continued.A.V.A.F.

- 3813--- *Crotolaria* sp.
 3814 "
 3815 Undetermined.
 3822 *Bucida bucera*.
 3823 *Capsicum frutescens*.
 3824 *Clitonia* sp.
 3828 Undetermined.
 3836 *Capparis indica*.
 3837 *Bromelia pinguin*.
 3838 *Crotolaria* sp.
 3839 *Indigofera* sp.
 3841 Undetermined.
 3842 "
 3843 "
 3844 "
 3845 *Capparis indica*.
 3850 *Stigmaphyllon lingulatum*.
 3849 Undetermined.
 3852 *Casuarina* sp.
 3855 *Cayaponia racemosa*.
 3856 Undetermined.
 3857 "
 3858 "
 3859 "
 3860 *Crotolaria* sp.
 3861 *Ficus* sp.
 3862 Undetermined.
 3868 *Cordia nitida*.
 3874 *Coccoloba* sp.
 3875 *Indigofera* sp.
 3876 *Crotolaria* sp.
 3877 *Indigofera* sp.
 3879 Undetermined.
 3885 *Phaseolus* sp.
 3652 *Mauritia flexuosa*.
 3728 *Cocos amara*.
 3979 *Borassus flabellifer*.
 3685 *Astrocaryum paramace*.
 3684 *Maximiliana regia*.
 3683 *Elaeis melanococca*.
 3809
 3886 *Indigofera* sp.
 2999
 3887 Undetermined.

Monday April 11, 1932.

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Plant list continued.

A.V.A.#.

- 3904--- Ficus sp.
 3885 Mimisops sp.
 3888 (Maba (sp.) ehenaceae.
 3906 Mammea americana.
 3905 Acacia sp.
 3799 Plumeria sp.
 3772 Sicana odorafera.
 65 Dorsett's #-Mycological.
 66 " -Bamboo basket.
 61 " - " "
 60 " - " broom.
 44 " - " fish trap.
 3854 Lucuma norvosa.
 3862 Jacaranda sp.
 3866 Ravenala guyanensis.
 3892 Bromelia sp.
 3889 Coccothrinax martii.
 3873 " sp.
 2617 Montizuma sp.
 3902 Heliconia ~~sp.~~ ^{sp.} ~~canalis.~~
 3680 Ananas sativa.
 3840 " "
 3756 " "
 2617 Montizuma sp.
 3755 Ananas sativa.
 2557 Moraea irideae.
 2563 Orchid sp.
 2572 Oncidium sp.
 2576 Artocarpus incisa.
 2583 Zephyranthes atamasco.
 2601 Bucida buceris.
 2620 Pseudophoenix saona.
 3673 Clerodendron ugandense.
 2681 Ptychorhapis angusta.
 2682 Corypha umbraculifera.
 3683 " utan
 2685 Pandanus pacificus.
 2686 " sp.
 2687 Smilax sp.
 2688 Vanda sp.
 2689 Bougainvillea spectabilis.
 2691 Eugenia lineata.
 2692 Ixora fragrans.
 2693 Hibiscus chinensis.
 2694 Oxalis dispar.
 2695 Undetermined.
 2696 Agave sp.
 2697 Pandanus luzonensis.

Monday April 11, 1932

Plant list continued.A.V.A.J.

- 2698--- *Momordica cochinchinensis*.
 2700 Undetermined, palm. (White seed)
 2699 *Ravenala guianensis*.
 2776 *Carludovica scandens*.
 2804 *Nannorhops ritchieana*.
 2841 *Lecythis zabucaja*.
 2842 *Bentinckia nicobarica*.
 2843 *Cyrtostachys renda*.
 2849 *Antiaris toxicaria*.
 2851 *Syzygium jambollanum*.
 2861 *Bougainvillaea* sp
 2865 *Citrus* sp.
 2866 *Gymnogramma calomelano*.
 2867 *Adiantum farleyensis*.
 2868 *Macfadyena corymbosa*.
 2869 *Cynometra trinitensis*.
 2870 *Amherstia nobilis*.
 2871 *Monodora tenuifolia*.
 2872 *Ravenia spectabilis*.
 2873 *Pentas carnea*.
 2909 *Mussaenda luteola*.
 2910 *Oncidium cebollita*.
 2911 " *papilio*.
 2916 *Mora excelsa*.
 2930 *Diacrium cicornurum*.
 2936 *Desmodium* sp.
 2943 *Diacrium cicornurum*.
 2947 Aroid Undetermined.
 2948 *Montrichardia oculata*.
 2874 *Ficus benjamina*.
 2875 *Mussaenda erythrophylla*.
 2876 *Vand teres*.
 2877 *Ptychorhapis angusta*.
 2881 *Ixora* sp.
 2882 *Phrynium* sp.
 2883 *Euterpe pleracea*.
 2884 *Norantea guianensis*.
 2885 *Pothos* sp.
 2886 *Heliconia psittacorum*.
 2887 *Pandanus pacificus*.
 2888 *Martinezia corallina*.
 2889 *Lecythis zabucaja*.
 2890 *Eugenia malaccensis*.
 2892 *Clusia rosea*.
 2893 *Hibiscus* sp.
 3688 *Victoria regia*.

Monday April 11, 1932.

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Plant list continued.

- A.V.A.A.
 3679--- Gigantochloa asper.
 3678 " verticillata.
 3674 Plumbago rosea.
 3673 Ananas sativa.
 3672 Cynerum sagittatum.
 3671 Novantia guianensis.
 3670 Securidaca diversifolia.
 3669 Coccoloba latifera.
 3668 Iriartea exorrhiza.
 3667 Attalea speciosa.
 3666 Arenga saccharifera.
 3665 Renealmia exaltata.
 3664 Tellandia sp.
 3660 Schomburgkia undulata.
 3659 Rodríguezia secunda.
 2985 Lodoicea callipyge.
 3727 Areca sp.
 3728 Cocos amara.
 3729 Clusia sp.
 3731 Mangifera indica.
 3732 Mangifera indica.
 3733 " "
 3734 " "
 3735 " "
 3736 " "
 3737 Xanthosoma sagittaeifolia.
 3738 Colocasia esculenta.
 3711 Crotolaria sp.
 3739 Colocasia esculenta
 3741 " "
 3742 2 "
 3743 Xanthosoma sagittaeifolia.
 3744 Colocasia esculenta.
 3745 " "
 3746 Ficus sp.
 3747 Colocasia esculenta.
 3748 " "
 3749 " "
 3750 " "
 3751 " "
 3753 Undetermined.
 3754 Habenaria sp.
 3755 Ananas sativa.
 3757 Dioscorea (sp.) Caplaou.
 3758 " San Martin.
 3759 " (alta) Portugese.

Monday April 11, 1932.

List of plant material continued,A.V.A.#.

- 3760--- Artocarpus incisa.
 3767 Piper betle.
 3769 Passiflora sp.
 3778 Undetermined.
 3784 Colocasia esculenta.
 3785 " "
 3786 Anthurium grandifolium.
 3787 Mangifera indica.
 3788 " "
 3789 Cactus intortus.
 3791 Orchid sp.
 3793 Aletris fragrans.
 3820 Peperomia affine.
 3846 Cactus intortus.
 3847 Cissus sicyoides.
 3848 Jasminum azoricum.
 3865 Artocarpus affina.
 3867 Orchid sp.
 3869 Ixora sp.
 3870 Petrea volubilis.
 3871 Euterpe eleracea.
 3872 Croton cascarilla.
 3881 Tradescantia sp.
 3882 Bougainvillia sp.
 3883 Anthurium superba.
 3884 Bauhinia megalandra.
 3890 Begonia sp.
 3891 Elseta virgata.
 3893 Orchid sp.
 3894 Hymenocallis arevicola.
 3897 Orchid semiterrestrial.
 3898 " sp.
 3899 " "
 3900 Bromelia terlandia.
 3901 Plumeria acutifolia.
 3903 Philodendron tripartium.
 3903 Peperomia sp.
 No 48 Seedling mangoes in pots for stock.

Total 398 parcels of plant material.

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus ABROMA.

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO NO.
			SEED	VEGETATIVE			
3703	<i>A. angusta.</i>	Paramaribo, Dutch Guiana.	"		3-2-32		
<u>ACACIA</u>							
2659	<i>A. koa.</i>	Antigua, Isl.					
2761	<i>A. arabica.</i>	Cannouan "					
3905	<i>A. sp.</i>	Mariguana "					
<u>ACANTHOPHOENIX</u>							
2956	<i>A. nobilis.</i>	Trinidad, Port of Spain.					
<u>ACANTHORIHA.</u>							
2797	<i>A. aculeata.</i>	St. George, Grenada.					
<u>ACHRAS</u>							
2565	<i>A. sapota.</i>	Cat Island.					
<u>ACROCOMIA</u>							
2961	<i>A. sclerocarpa.</i>	Kingston, St vincent.					
<u>ADIANTUM</u>							
2672	<i>A. trapeziforme.</i>	Roseau, Dominica Isl.					
2867	<i>A. farleyense.</i>	Trinidad, Forst of Spain.					

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U. S. DEPARTMENT OF AGRICULTURE
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Genus

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2762	<u>A. scandriana</u>	St Lucia Isl.	Seed				
	<u>AGAVA</u>						
2696	A. sp.	Roseau Dominica.					
	<u>ALETRIS</u>						
3793	A. fragrans.	Basse Terre Guadeloup.	Cuttings				
	<u>AMHERSTIA</u>						
2870	A. nobilis.	Port of Spain Trinidad	Plant				
	<u>ANACARDIUM</u>						
2725	A. occidentale.	Port Castris St Lucia.	Seed				
3715	A. "	" "	"				
	<u>ANANAS</u>						
2638	A. sativa.	Basse Terre Guadeloup.	Plants		1-23-32		
2928	A. <i>S/p</i>	St. George Grenada, Isl	"		1-18-32		
2993	A. <i>sativa</i>	Port of Spain Trinidad	"		2-24-32		
3673	A. "	Paramiabo Dutch Guiana	"		3-3-32		
3680	A. "	" "	"		"		
3755	A. "	Port Castris St. Lucia Isl	"		3-8-32		
3756	A. "	" "	"		3-6-32		
3940	A. "	Plymouth Tobago	"		3-19-32		
2729	A.	Port Castris St Lucia	"		2-3-32		

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus ANOYA

A-Bulba.

C—Cuttings.

P—Plants.

S-Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2744	A. sp.	Bequia Isl	"	"	2-5-32		
	<u>ANTHURIUM</u>						
2751	A. selloum ?	Orengetown Seed St. Eustatius			1-21-32		
2755	A. sp.	Port Castria St Lucia		cuttings	2-3-32		
2786	A. grandifolium.	Basse Terre Guadeloup		Plants	2-13-32		
3883	A. sp.	"		"	2-9-32		
	<u>ANTIARIS</u>						
2849	A. toxicaria	Bridgetown Barbados	Seed		2-13-32		
	<u>APFIBA</u>						
2945	A. Tibourbou.	Tobago, Isl	"		2-2-32		
	<u>ARALIA</u>						
3730	A. sp	Ft. de France Martinique		Plants	3-10-32		D560
	<u>ARCHONTOPHORNIX</u>						
3983	A. alexandrae	Port of Spain Trinidad	Seed		2-25-32		

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U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus ARECA.

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2798	<i>A. triandra.</i>	Grenada Isl.	Seed		2-10-32		
2802	<i>A. catechu</i>						
2953	<i>A. triandra.</i>	Tobago, Isl.	"		2-19-32	L. 224	
2954	<i>A. sp.</i>	"	"		"	L. 228	
3727	<i>A. "</i>	Fort de France Martinique	Seed		3-10-32	D. 557	
<u>ARECA</u>							
2684	<i>A. engelsi.</i>	Roseau Dominica			1-29-32		
3666	<i>A. saccharifera</i>	Paramaribo Dutch Guiana	Seed		3-3-32		
<u>ARISTOLOCHIA</u>							
3719	<i>A. elegans.</i>	Paramaribo Dutch Guiana		Plant	3-i-32		
<u>ARTOCARPUS</u>							
2576	<i>A. incisa.</i>	New Providence Nassau	Seed		1-9-32		D-55 -57
2715	<i>A. "</i>	Port Castries St. Lucia	"		2-3-32		
2820	<i>A. ""</i>	St. George Grenada.	"		2-10-32		
2692	<i>A. integrifolia</i>	Paramaribo D. Guiana	"		2-4-32		
3760	<i>A. incisa.</i>	Basse Terre Guadeloup		Plant	3-11-32		
3865	<i>A. "</i>	Tortola Isl.		Cuttings	3-19-32		
2811	<i>A. integrifolia</i>	St George Grenada		"	1-10-32		

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus ASPARAGUS

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO NO.
			SEED	VEGETATIVE			
2574	A. sp.	Nassau, New Providence	Seed		1-9-32		D-88 D-89
	<u>ASTROCARYUM</u>						
2957	A. sp.	Tobago.	Seed		2-20-32		
2986	A. tucuma.	Port of Spain Trinidad	Seed		2-25-32		
2987	A. segregatum	"	"		"		L-259
3685	A. paramaca.	Paramaribo D. Guiana	"		3-2-32		L-272
	<u>ASYSTASIA</u>						
2964	A. gangetica.	Pt. Castris St. Lucia.	Seed		2-24-32		D-459
	<u>ATTALIA</u>						
2746	A. cohune.	Kingston St. Vincent	Seed		2-4-32		
2840	A. spectabilis.	Pt. of Spain Trinidad	Seed		2-13-32		D-414
3667	A. "	Paramaribo D. Guiana		Plant	3-3-32		
	<u>AULIZA</u>						
2733	A. ciliaris.	Pt. Castris St. Lucia			2-3-32		

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FOREIGN PLANT INTRODUCTION

Genus BACTRIS

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2648	<i>B. pavoniana.</i>	Antigua	Seed		1-26-32		1-17-11
2735	<i>B. sp.</i>	Pt. Castries St Lucia	"		2-2-32		115-11 1-16-11 178
	<u>Barringtonia</u>						
2803	<i>B. speciosa.</i>	St. George Grenada	Seed		2-6-32 2-10-32		D-336 228 278
	<u>BORASSUS</u>						
2979	<i>B. flabelliformis</i>	Georgetown B. Guiana	Seed		2-25-32		1-244 D-464
	<u>BAUHINIA</u>						
2764	<i>B. sp.</i>	Cannouan,	Seed		2-6-32		
2791	<i>B. monandra.</i>	Carriacou	"		2- 8-32		
2827	<i>B. vahllei.</i>	Pt. of Spain	"		2-12-32		
2960	<i>B. scarborough.</i>	Tobago.	"		2-19-32		
3698	<i>B. tomentosa.</i>	Paramaribo D. Guiana.	"		2-29-32		
3812	<i>B. monandra.</i>	St. George Grenada	"		2-10-32		
3884	<i>B. megalandra</i>	Pt. of Spain Trinidad	"		2-15-32		
	<u>BEGONIA</u>						
2924	<i>B. sp.</i>	Roseau Dominica.	Seed	Cuttings	1-30-32		D-299
3890	<i>B. sp.</i>	Cape Haitian		Plants	3-27-32		

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U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus BENTINCKIA

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO NO.
			SEED	VEGETATIVE			
2707	<i>B. incosteasica</i> ?	Roseau Dominica		Plant	1-29-32		
2842	<i>B. nicobarica</i>	Ft. of Spain Trinidad			2-15-32		I-164
							I-223
	<u>BIANCEA</u>						
3851	<i>B. sepiaria</i>	Ft. de France Martinique	Seed		3-10-32		
	<u>BIGNONIA</u>						
2910	<i>B. unguis-cati</i>	Grenada	Seed		2-10-32		
2817	<i>B. sp.</i>	"	"	cuttings	3-10-32		D-370
2827	<i>B. sp.</i>	Parmaribo D. Guiana.	"		3- 3-32		
	<u>BILLEBERGIA</u>						
3716	<i>B. sp.</i>	Parmaribo D. Guiana	Seed		3- 1-32		
	<u>BOUGAINVILLEA</u>						
2689	<i>B. spectabilis</i>	Roseau Dominica.		Plant	1-29-32		
2864	<i>B. sp.</i>	Ft. of Spain Trinidad			2- -32		
2882	<i>B. sp.</i>	Kingston, St Vincent		Plant	2- 4-32		
	<i>Boussier</i>						

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus CACARA ?

B-Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2663	<i>C. erosa.</i>	Antigua	Seed		1-24-32		
	<u>CACTUS</u>						
2628	<i>C. intortus.</i>	Basse Terre St Kitts	Seed		1-23-32		T-119-7 D-209-2
2949	<i>C. caesi</i> us	Pt. of Spain Trinidad	"		2-15-32		T-74
3789	<i>C. intortus</i>	Bottom Saba		Plant	3-15-32		
3846	<i>C.</i> "	Anguilla		"	3-16-32		T-74 I-267
	<u>CAESALPINA</u>						
2821	<i>C. coriaria.</i>	St George Granada	Seed		2-10-32		
2997	<i>C. passijuga.</i>	Pt. of Spain Trinidad.	"		2-24-32		
	<u>CAJANUS</u>						
2742	<i>C. indica.</i>	Bequia Isl.	Seed		2- 5-32		
2743	<i>C. indica.</i>	"	"		"		
	<u>CALATHEA</u>						
2727	<i>C. allanga.</i>	Pt. Castries			2- 3-32		D-271
2730	<i>C. sp.</i>	St Lucia.			2- 3-32		D-530

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus CALLIANDRA

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2690	<i>C. tergemina</i> .	Roseau Dominica	Seed		1-29-32		D-380
2757	<i>C. sp.</i>		"		2- 6-32		
2815	<i>C. succanensis</i>	St George Granada	"		2-10-32		
3765	<i>C. tergemina</i> .	Pt. de France Martinique	"		3-10-32		
<u>CALOPHYLLUM</u>							
2815	<i>C. antillanum</i> .	St George Granada	Seed		2-10-32		
3776	<i>C. "</i>	Basse Terre Guadeloup	"		2-13-32		
<u>CALOPOGONIUM</u>							
2785	<i>C. orthocarpum</i> .	Roseau Dominica.	Seed		1-29-32		
<u>CAMOENSIA</u>							
2897	<i>C. maxima</i> .	Pt. of Spain Trinidad	Seed		2-15-32		D-389 D-390
<u>CANARIUM</u>							
3702	<i>C. commune</i> .	Paramaribo D. Guiana	Seed		3- 2-32		
<u>CANAVALIA</u>							
2612	<i>C. maritima</i> .	Beata	"		1-17-32		
2955	<i>C. sp.</i>	Tobago	"		2-18-32		
<u>CANELIA</u>							
3834	<i>C. winteriana</i> .	Barbuda	"		3-14-32		

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U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus CAPERNICIA.

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2977	<i>C. cerifera.</i>	Trinidad, Isl	"		2-25-32		
Genus. <u>CAPPARIS.</u>							
2596	<i>C. cynophallora</i> ^{on}	Great Inagua.	"		1-15-32		D.112 114
2607	<i>C. flexuosa.</i>	Beata, Isl.	"		1-18-32		D.133
2618	<i>C. "</i>	Saona, Isl.	"		1-20-32		
3836	<i>C. indica.</i>	Barbuda, Isl.	"		3-14-32		
3845	<i>C. "</i>	Anguilla, "	"		3-16-32		
Genus. <u>CAPSICUM.</u>							
2584	<i>C. frutescens</i>	Nassau Isl.	"		1-10-32		
2880	<i>C. sp.</i>	Trinidad "	"		2-17-32		
2804	<i>C. frutescens</i>	Guadaloup "	"		3-13-32		
3823	<i>C. "</i>	Saba. "	"		3-15-32		
Genus. <u>CARICA.</u>							
2582	<i>C. papaya.</i>	Nassau, Isl	"		1-12-32		
2789	<i>C. "</i>	Dominica "	"		2-28-32		D.265
2915	<i>C. "</i>	" "	"		1-29-32		
2939	<i>C. "</i>	Tobago "	"		2-20-32		

U. S. GOVERNMENT PRINTING OFFICE: 1934 80384

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus CAYAPONIA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
3855	<i>C. racemosa.</i>	Tortola, Isl.	"		3-19-32		
Genus <u>CEDRELA,</u>							
3800	<i>C. odorata.</i>	Guadeloup, Isl.	"		3-12-32		
2937	<i>C. mexicana.</i>	Tobago, "	"		2-14-32		
Genus <u>CELASTRUS,</u>							
2605	<i>C. sp.</i>	Beata, Isl.	"		1-17-32		
2606	<i>C. "</i>	"	"		1-18-32		D.131 129
3878	<i>C. "</i>	"	"		3-23-32		D.640
Genus <u>CENTROLOBIUM,</u>							
2844	<i>C. paraense.</i>	Trinidad, Isl.	"		2-13-32		D.412 418
Genus <u>CENTROSEMA,</u>							
2722	<i>C. sp.</i>	St Lucia, Isl	"		- -32		
3704	<i>C. "</i>	Paramaribo, Surinam.	"		3-2-32		
3725	<i>C. "</i>	Guadeloupe	"		3-10-32		

[illegible]

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus CHRY SOPHYLLUM.

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2716	C. bicolor,	St. Lucia, Isl.	"		2- 3-32		
2717	C. pauciflora ?	"	"		2-3-32		
Genus <u>CIPURA</u> ,							
2655	C. martinicensis, <i>antigua</i>	St. Kitts, Isl	"	Plants	1-26-32		L. 122 D. 231
3803	C. "	Guadeloup, "	"		3-13-32		
Genus <u>CISSUS</u> ,							
2558	C. intermedia	Nassau, Isl.	"		1- 3-32	"	
3847	C. sicyoides.	Saba, "		Cuttings	3-15-32		
Genus <u>CITHAREXYLUM</u> . St. Lucia, Isl. "							
2737	C. spinosum.				2- 3-32		

U. S. GOVERNMENT PRINTING OFFICE: 1933 88094

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BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus CITRUS,

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2708	C. limetta.	Dominica, Isl		Scions	1-29-32		
2709	C. "	"		"	"		
2712	C. "	"		"	1-30-32		
2713	C. "	"		"	1-29-32		
2714	C. aurantium.	"		"	2-14-32		
2830	C. sp.	Trinidad, Isl.		"	2-16-32		
2865	C. "	" "		Trees	2-16-32		
2931	C. paradise.	Tobago "		Scions	2-19-32		
2933	C. medica.	Trinidad, "		"	2-18-32		
2942	C. aurantifolia	Paramaribo, surinam, Tobago		"	2-20-32		
3667	C. decumana	Paramariabo Surinam.		"	3- 4-32		
3663	C. "	"		"	"		
3687	C. Hybrid.	"		"	3- 2-32		
2998	C. medica.						
Genus ^R <u>CLEODENDRON,</u>							
2672	C. ugandense,	Dominica, Isl. "			1-31-32		
2923	C. fallx	Trinidad, " "			2-18-32		
Genus <u>CLITORIA,</u>							
2926	C. rubiginosa	Tobago, Isl	"		2-19-32		
3824	C. sp.	Barbuda	"		3-14-32		

4-127
F: 18528-2
D. 506

[illegible]

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U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus CLUSIA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2892	<i>C. rosea.</i>	Trinidad, Isl			2-16-32		D. 314
3729	<i>C. sp.</i>	Martinique, "		Plants	3-10-32		315
3825	<i>C. "</i>	Guadeloupe	"		3-13-32		
Genus <u>COCCOCYPSELUM,</u>							
2918	<i>C. guianense.</i>	Trinidad, Isl	"		2-18-32		
Genus <u>COCCOTHRINAX,</u>							
2614	<i>C. sp.</i>	Beata, Isl.	"		1-17-32		L. 71-78 D. 147-8-9 and 635 to 640 for
2597	<i>C. "</i>	Great Inagua, Isl.	"		1-15-32		L. 61 & 63 D. 107-8-9 & 110
3873	<i>C. "</i>	Tortola, "	"		3-19-32		L. 295 D. 628-9
3889	<i>C. martii,</i>	Guantanamo, Cuba.	"		3-24-32		
Genus <u>COCOLOBA,</u>							
2656	<i>C. pubscens,</i>	Antigua, Isl	"		1-26-32		D. 226
2756	<i>C. "</i>	St. Lucia "	"		2-4-32		
3669	<i>C. lalifolia,</i>	Paramaribo, Suranam		Plant	3-3-32		
3811	<i>C. sp</i>	Barbuda, Isl.	"		3-14-32		
3829	<i>C. "</i>	"	"		"		
3830	<i>C. "</i>	"	"		"		
3874	<i>C. "</i>	Inagua "	"		3-23-32		

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BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus COCOS

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scione.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2702	C. Amara.	Dominica, Isl.	"		1-9-30		L.128 & 127
2724	C. nucifera.						
2728	C. amara.	Martinique	"		3-10-32		D.556
Genus <u>COLEOSPADIX</u> ,							
2838	C. oninensis.	Trinidad, Isl.	"		2-13-42		L.203
	<i>Colicandra</i>						
Genus <u>COLOCASIA</u> .							
3738	C. esculenta.	Martinique, Isl.		Plants	3-10-32		
3739	C. "	"		Tubers	"		
3741	C. "	"		"	"		
3742	C. "	"		"	"		
3744	C. "	"		"	"		
3745	C. "	"		"	"		
3747	C. "	"		"	"		
3748	C. "	"		"	"		
3749	C. "	"		"	"		
3750	C. "	"		"	"		
3751	C. "	"		"	"		
3784	C. Madera Blanch	Guadeloup		"	3-12-32		
3485	C. " noire	"		"	"		
2908	C. esculenta	Surenam		"	2-19-32		

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U. S. DEPARTMENT OF AGRICULTURE
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Genus COLVILLEA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2907	<i>C. racemosa</i> ,	Trinidad, Isl	"		2-15-32		
Genus <u>CONOCARPUS</u> ,							
2568	<i>C. erectusa</i> .	Cat Island,	"			"	
Genus <u>COPEERNICIA</u> ,							
2977	<i>C. cerifera</i> .	British Guiana.	"		3-25-32		
Genus <u>CORDIA</u> ,							
2635	<i>C. sulcata</i>	St. Eustatius	"		1-23-32		D.211
2863	<i>C. alliodora</i> ,	Trinidad	"		2-17-32		T.130
2868	<i>C. niteda</i> ,	Tortola,	"		3-19-32		
Genus <u>CORYPHA</u> ,							
2682	<i>C. umbraculifera</i>	Dominica	"		1-29-32		L.143 T.107 see 111
2683	<i>C. utan</i>	"	"		"		L.142-3

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FOREIGN PLANT INTRODUCTION

Genus COSTUS.

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scionn.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2925	C. sp.	Trinidad, Isl.	"		2-16-32		
Genus <u>COUROUPITA.</u>							
2904	C. gueanensis,	Trinidad, Isl	"		2-13-32		T.109 D.409
Genus <u>CRESCENTIA.</u>							
2826	C. cucurbitina	Grenada, Isl	"		2-10-32		
Genus <u>CROTALARIA.</u>							
2588	C. sp.	Gun Point Eleuthra, Isl	"		1-11-32		
2630	C. "	St Kits "	"		1-23-32		
2633	C. "	St. Eustatius	"		1-29-32		
2649	C. "	"	"		"		
2642	C. "	St. Kitts	"		1-24-32		D.216-V
2772	C. usaramoensis	"	"		2-24-32		
2773	C. verrucosa,	Bequia Isl.	"		2- 5-32		
2774	C. retusa,	Cannouan "	"		2- 5-32		
2777	C. "	Bequia, "	"		2- 5-32		
2818	C. sp.	Grenada "	"		2-10-32		
2823	C. "	Dominica "	"		1-30-32		
2932	C. "	Tobago "	"		2-1932		

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U. S. DEPARTMENT OF AGRICULTURE
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Genus CYNOMETRA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubera.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2869	<i>C. trinitensis</i> ,	Trinidad, Isl	1	Plant	2-16-32		
Genus <u>CYPERUS</u> ,							
3701	<i>C. sp.</i>	Peramaribo, Suranam.	"		3- 4-32		
Genus <u>CYRTOSTACHYS</u> ,							
3834	<i>C. renda</i> ,	Trinidad, Isl."			2-15-32		
3843	<i>C. "</i>	"	"	"	"		

U. S. GOVERNMENT PRINTING OFFICE: 1911 86594

U. S. GOVERNMENT PRINTING OFFICE: 1921 80594

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus ELAEIS,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO NO.
			SEED	VEGETATIVE			
2575	<i>E. guinensis.</i>	Nassau, Isl	"		1- 9-32		L. #11
3683	<i>E. melanococca</i>	Paramaribo, Suranam.	"		3- 3-32		D. 70
Genus <u>ELSOTA.</u>							
3891	<i>E. virgata.</i>	Haiti		Cuttings	3-27032		
Genus <u>ENTADA.</u>							
2944	<i>E. polystachya</i>	Trinidad, Isl.	"		2-20-32		
Genus <u>EPIDENDRUM.</u>							
2720	<i>E. sp.</i>	St. Lucia.	"	"	2- 3-32		
Genus <u>ERIOSEMA.</u>							
2894	<i>E. violaceum.</i>	Trinidad			2-17-32		

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Genus ERYTHRINA,

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2796	E. sp.	Carriacou, Isl	"		2- 8-32		
2914	E. pallida,						
3700	E. sp.	Tobago,	"		2-21-32		
3710	E. "	St. Lucia	"		3- 8-32		
3774	E. "	Guadeloupe	"		3-12-32		
Genus <u>EUGENIA,</u>							
2691	E. lineata	Dominica, Isl		Plant	1-29-32		
2852	E. malaccensis	Trinidad			2-13-32		
2890	E. malaccensis	"			2-17-32		D#408
3655	E. paniculata	"			2-24-32		
Genus <u>EUTERPE,</u>							
2703	E. edulus	Dominica, Isl	"		1-29-32		L.#138 D.#267
2711	E. sp.	St Lucia	"		2- 2-32		L.#174 F.#18445 L.#234
2883	E. oleracea,	Trinidad	"	Plant	2-16-32		L.#234
2955	E. "	Tobago	"	"	2-20-32		L.#234
3690	E. edulus	Paramaribo,	"		2- 3-32		L.#115
3871	E. oleracea,	St. Kitts, "	"		1-24-32		

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FOREIGN PLANT INTRODUCTION

Genus FICUS.

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubera.

[illegible]

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus GALACTIA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO NO.
			SEED	VEGETATIVE			
2657	<i>G. longifolia</i>	Antigua, Isl	"		1-26-32		
Genus <u>GARCINIA.</u>							
3766	<i>G. sp.</i>	Martinique,	"		3-9-32		
Genus <u>GEOPHILA.</u>							
2903	<i>G. reniformis,</i>	Trinidad, Isl.	"		2-15-32		
Genus <u>Gigantochloa.</u>							
3678	<i>G. verticillata</i>	Peramaribo,		Plant	3-3-32		
3679	<i>G. asper</i>	"		"	"		
Genus <u>Gmelina.</u>							
2969	<i>G. asiatica</i>	Trinidad Isl.	"		2-25-32		
Genus <u>GRAMINEAE.</u>							
2809	<i>G. sp.</i>	Granada,	"		2-10-32		
2941	<i>G. "</i>	Tobago,	"		2-20-32		

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B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

Genus GUSTAVIA.

2853	G. angusta,
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Trinidad, Isl

Plant

2-13-32

Genus GYMNOGRAMMA

2866	G. calomelanog.
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Trinidad, Isl. "

2-16-32

Genus GYNERIUM GYNERIUM.

3672	G. sagittatum.
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Paramaribo,

Plant

3- 3-32

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
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Genus HIBISCUS,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2693	H. chumisi	Dominica, Isl.		Plant	1-29-32		
2786	H. sp.	St. Lucia, "	"		2- 3-32		
2812	H. colluisii	Granada "	"		2-10-32		
2893	H. sp.	Trinidad "		Plant	2-17-32		
3654	H. "	"	"		2-26-32		
3693	H. abelmoschus	Paramaribo,	"		3- 3-32		
3696	H. sp.	"	"		"		
Genus <u>HYMENOCALLIS.</u>							
3894	H. arenicola	Conception,		Air bulbs	1- 5-32		
Genus <u>HYMENAEA.</u>							
2731	H. courbasil	St. Lucia, Isl. "			2-3-32		T. #121
Genus <u>HYOPHORBE.</u>							
2556	H. ^f vaschafeltii	Nassau	"		1- 1-32		
Genus <u>HYPHAENIA.</u>							
2980	H. thebaica,	Trinidad	"		2-25-32		L248

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FOREIGN PLANT INTRODUCTION

Genus INDIGOFFERA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2616	I. suffruticosa,	Beata, Isl.	"		1-18-32		
2634	I. "	St. Eustacius	"		1-22-32		
2658	I. sp.	Dominica, Isl.	"		1-27-32		
2661	I. "	"	"		"		
3714	I. "	Cannouan "	"		2- 6-32		
3801	I. "	St. Kitts "	"		1-23-32		D.#195
3835	I. "	Barbuda "	"		3-14-32		
3839	I. "	Saba "	"		3-15-32		
3875	I. "	Beata "	"		3-22-32		
3877	I. "	St. Martin "	"		3-17-32		
3886	I. "	Guantanamo	"		3-24-32		
Genus <u>IMBA,</u>							
3461	I. laurina,	Guadeloupe	"		3-11-32		
Genus <u>IPOMOEA,</u>							
2611	I. heptaphylla,	Beata, Isl		Tubers,	1-18-32		D.#130
2675	I. sp.	Dominica "			1-31-32		
2768	I. coccinea	St. Lucia "			2- 3-32		
2780	I. polyanthes	Dominica "	"		1-30-32		D.#298
2858	I. pterodes	Trinidad "	"		2-15-32		
3763	I. umbellata	Martinique "	"		3-10-32		

Genus IRIARTEA,

T-Tubers.

Genus IXORA,

U. S. GOVERNMENT PRINTING OFFICE: 1961 86594

Genus JACARANDA,

T-Tubers.

F. #18352, 12 & 13
1 & 2. L. #213 & 214

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Genus KAEMPFERIA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

[illegible]

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FOREIGN PLANT INTRODUCTION

Genus LAGERSTROEMIA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2855	<i>L.flos-reginae</i> .	Trinidad, Isl. "			2-13-32		
Genus <u>LAWSONIA.</u>							
2660	<i>L.alba</i> ,	Antigua, Isl. "			1-26-32		
Genus <u>LECYTHIS.</u>							
2841	<i>L.zabucaja</i> ,	Trinidad, Isl. "			2-15-32		D.#426
2889	<i>L.</i> "	"		Plant	2-17-32		
2963	<i>L.</i> "	"	"		2-15-32		
Genus <u>LESPEDeza.</u>							
2861	<i>L.sp.</i>	Trinidad, Isl."			2-15-32		
Genus <u>LEUCAENA.</u>							
2552	<i>L.glauca</i> ,	Nassau, Island.			12-36-32		T.#116-15 14, 13, 12.
Genus <u>LICUA.</u>							
2978	<i>L. grandis</i> ,	Trinidad, Isl. "			2-25-32		

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus LIVISTONIA

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2799	^L X L. altissima.	Trinidad	"		2-10-32		L-198
2800	L. rotundifolia	"	"		"		L-195
2982	L. ho ^{ogendorpii}	"	"		2-25-32		
3651	"	"	"		"		
Genus <u>LODOICEA</u>							
2985	L. callipyge	Trinidad	"		2-25-32		T-129, 136 T-134, 141 L-462, 463 D-461.
Genus <u>LONCHOCARPUS</u>							
3770	L. daringensis ?	Guadeloup	"		3-12-32		
Genus <u>Lucuma</u>							
3854	L. nerosa.	Guadeloup	"		3-12-32		T-412
Genus <u>LYCOPERSICON</u>							
2579	L. esculentum	Nassau, Isl.	"		1-9-32		
2591	L. "	"	"		1-11-32		
2896	L. "	Trinidad	"		2-17-32		

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus MANGIFERA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2710	M. indica.	Dominica, Isl		Scions	1-24-32		
2898	M. "	Trinidad "		"	2-17-32		
2899	M. "	" "		"	"		
2900	M. "	" "		"	"		
3694	M. "	Surinam	"	"	3- 1-32		
3695	M. "	"	"		"		
3717	M. "	St Lucia Isl		Scions	3- 8-32		
3718	M. "	"		"	"		
3720	M. "	"		"	"		T.#128
3721	M. "	"		"	"		
3722	M. "	"		"	"		
3723	M. "	"		"	"		
3724	M. "	"		"	"		
3731	M. "Divine	Martinique		Plants	3-10-32		
3732	M. "Amelie	"		"	"		
3733	M. "Precinette	"		"	"		
3734	M. "Sans parcil	"		"	"		
3735	M. " Tulie	"		"	"		T.#129
3787	M. " D'Or	Guadeloup		Scions	"		
3788	M. "Ten Cogd'Iowe	"		"	3-17-32		
3816	M. " Quanto	Tortola Isl.		"	3-18-32		
3817	M. "Turkey Brest	"		"	"		
3738	M. " Marting.	Martinique		"	3-10-32		
3818	M. " Bull Head	Tortola		"	3-18-32		

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus MANGIFERA, Continued.

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
3819	M. indica, Cottage	Tortola		Scions	3-18-32		
3821	M. " Mango Tin	Guadeloup		"	3-12-32		
3826	M. " Royal	Tortola		"	3-19-32		
3831	M. " Seedling	"		"	"		
3832	M. " Rector	"		"	"		
3833	M. " Kidney	"		"	"		
Genus <u>MANICARIA</u>							
2917	M. saccifera	Trinidad	"		2-18-32		
2940	M. "	"	"		"		
Genus <u>Mantrichardia aculeata</u>							
Genera <u>MANIHOT.</u>							
2564	M. utilissema	Cat Island		Cuttings	1- 4-32		D. #31
2580	M. "	Nassau			1-11-32		
2752	M. "	St. Vincent			2- 5-32		
Genus <u>Marattia.</u>							
Genus <u>MARCGRAVIA</u>							
2639	M. senterisii	Beata Isl.	"		1-24-32		

U. S. GOVERNMENT PRINTING OFFICE: 1955 50094

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus MARTINEZEA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2829	<i>M. corollaeifolia</i>	Trinidad	"		2-13-32		
2888	<i>M. corallina.</i>	"		Plant	3-16-32		
Genus <u>Mauritia.</u>							
2929	<i>M. setigera</i>	Tobago, Isl.	"		2-19-32		T. #133 L. #225-1-7
2984	<i>M. flexuosa.</i>	Trinidad	"		2-25-32		See #128 F. #18437-1 & 11
3652	<i>M. "</i>	Dominica	"		"		D. #480 L. #257
Genus <u>MAXMILIANA.</u>							
3684	<i>M. regia</i>	Surinam	"		3- 3-32		D. #401
Genus <u>MIMUSOPS.</u>							
3895	<i>globosa.</i>	Haiti	"		3-26-32		
Genus <u>MOMORDICA.</u>							
2698	<i>M. cochinchinensis,</i>	Dominica		Cuttings	1-29-32		D. 262
Genus <u>Monodora.</u>							
2871	<i>M. tenuifolia</i>	Trinidad		Plant	2-16-32		

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus MONSTERA

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2753	M. sp.	Dominica,		Cuttings	1-29-32		T.#108
2754	M. "	St. Vincent		"	"		
Genus <u>MONTEZUMA</u>							
2617	M. sp.	Beata, Isl	"	Cuttings	1-17-32		D.#138 0 140 638 A 639
Genera <u>MONTRICHARDIA</u>							
2948	M. oculeata	Tobago	"		2-25-32		
2997	M. "	Trinidad	"		2-25-32		
Genus <u>MORA</u>							
2916	M. excelsa,	Trinidad		Cuttings	2-18-32		
Genus <u>MORANA</u>							
2557	M. irediae,	Nassau					
Genus <u>MUCUNA</u>							
2895	M. steaner ?	Trinidad	"		2-17-32		
2938	M. "	Tobago,	"		2-20-32		

U. S. GOVERNMENT PRINTING OFFICE: 1911 86594

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus MUSSAENDA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scion_u.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2875	<i>M. erythrophylla</i>	Trinidad		Plant	2-16-32		
2909	<i>M. luleola</i>	"		"	2-19-32		
Genus <u>MYRISTICA</u>							
2739	<i>M. fragrans</i>	St. Vincent	"		2-4-32		
2832	<i>M. "</i>	Granada	"		2-10-32		D. #377-1-9
Genus <u>MYROSPERMUM</u>							
2784	<i>M. frutecens</i>	Dominica	"		1-29-32		
Genus <u>MYROXYLON</u>							
2650	<i>M. balsamum</i>	Eustatius	"		1-22-32		

U. S. GOVERNMENT PRINTING OFFICE: 1981 80594

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus NANNORHOPS.

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
✓ 2804	<u>N. ritchiana</u>	Granada		Off-shoots	1-10-32		L. #196 197
✓ Genus	<u>NIPA.</u>						
✓ 2981	<u>N. fruticans</u>	Trinidad	"		2-25-32		L. #255-8 D. #465 2504
✓ Genus	<u>NORANTEA</u>						
✓ 2884	<u>N. guianensis</u>	Trinidad	"	Suckers	2-16-32		
✓ 3671	<u>N. "</u>	Dominica	"	Plant	3-3-32		
✓ Genus	<u>OCHROSIA.</u>						
✓ 2845	<u>O. mooni</u>	Trinidad			2-13-32		D. #402
✓ Genus	<u>CHENA.</u>						
✓ 2971	<u>O. mossambicensis</u>	Trinidad	"		2-25-32		
✓ Genus	<u>ONCIDIUM.</u>						
✓ 2572	<u>O. sp.</u>	Rum Key, Isl		Plant	1-6-32		D. #42, 43 & 44
✓ 2910	<u>O. cebolleta.</u>	Trinidad		"	2-19-32		
✓ 2911	<u>O. papilio</u>	"		"	"		

U. S. GOVERNMENT PRINTING OFFICE: 1933 80594

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus OPUNTIA.

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2604	O.nomliflorus	Beatta, Isl	"		1-17-32		T.#102 D.#
2667	O.sp.	St Kits	"		1-23-32		
Genus	<u>ORCHID,</u>						
2563	O.eucylia	Cat Island		Plants	1- 4-32		
2626	O.epedendron	Saiona, Isl		"	1-20-32		
2763	O.sp.	Mayero "		"	2- 6-32		
3791	O. "	Saba, "		"	3-15-32		
3792	O. "	" "		"	"		
3867	O. "	" "		"	"		
3893	O. "	Guantanamo, Cuba		"	3-24-32		
3897	O. "	Haiti,		"	3-27-32		
3898	O. "	"		"	"		D.#668
3896	O. "	"		"	"		
Genus	<u>ERMOSIA</u>						
2632	O.krugii	St. Kitts	"		1-24-32		

U. S. GOVERNMENT PRINTING OFFICE: 1949 55594

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus OREODOXA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2676	<i>O. oleracea,</i>	Dominica,	"		1-31-32		L. #153 D. #576
Genus <u>OYALIS,</u>							
2694	<i>O. dispar,</i>	Dominica, Isl		Plant	1-29-32		
Genus <u>PACHIRA,</u>							
2862	<i>P. insignis</i>	Trinidad	"		2-13-32		D. #421
2976	<i>P. sp.</i>	"	"		2-25-32		
3000	<i>P. "</i>	"	"		2-26-32		
Genus <u>PANDANUS,</u>							
2685	<i>P. pacificus</i>	Dominica		Plant	1-29-32		
2686	<i>P. sp.</i>	"		"	"		
2697	<i>P. luzonensis</i>	"		"	"		
2887	<i>P. pacificus</i>	Trinidad		"	2-15-32		

U. S. GOVERNMENT PRINTING OFFICE: 1967

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus PENTAS,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2873	<i>P. carnea</i>	Trinidad		Plant	2-16-32		
Genus <u>PEPEROMIA,</u>							
3820	<i>P. affina.</i>	Guadeloupe		Plants	3-13-32		
3903	<i>P. sp.</i>	Haiti		"	3-27-32		
Genus <u>PETREA,</u>							
3653	<i>P. volubilis</i>	Trinidad	"		2-26-32		
3870	<i>P. "</i>	Antigua	"		1-26-32		
Genus <u>PHASEOLUS,</u>							
2566	<i>Psp.</i>	Cat Island	"		1- 4-32		D. #32
3705	<i>P. radiatus</i>	Surinam,	"		3- 3-32		
3795	<i>P. lunatus</i>	Saba	"		3-15-32		
3885	<i>P. sp.</i>	Tortola	"		3-19-32		
Genus <u>PHILODENDRON</u>							
3798	<i>P. sp.</i>	Martinique	"		3-10-32		
3901	<i>P. tripastitum</i>	Haiti	"		3-27-32		

U. S. GOVERNMENT PRINTING OFFICE: 1971 80194

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus PHOENIX,

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2560	<i>P. roebelani</i>	Nassau, Isl.	"		1- 1-32		
3658	<i>P. sp.</i>	Trinidad	"		2-26-32		
Genus <u>PHRYNIUM,</u>							
2882	<i>P. sp.</i>	Trinidad		Plant	2-14-32		
Genus <u>PICRAMIA,</u>							
2669	<i>P. pentandra</i>	Antigua, Isl.	"		2-26-32		
Genus <u>PICRODENDRON</u>							
2846	<i>P. arborium</i>	Trinidad			2-13-32		
Genus <u>PINANGA,</u>							
2677	<i>P. kuhlii</i>	Dominica.	"		1-31-32		
Genus <u>PIPER,</u>							
3767	<i>P. betle</i>	Surinam		cuttings	3- 4-32		

U. S. GOVERNMENT PRINTING OFFICE: 1934 50594

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus PSICIDIA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2790	<i>P. erythrina</i> ,	Cariacou	"		2- 8-32		
Genus <u>PITCAIRNIA.</u>							
2723	<i>P. coccinea</i> ,	Dominica			1-28-32		
2767	<i>P. bracteata</i>	St. Vincent	"		2- 4-32		
2808	<i>P. coccinia</i>	Grenada	"		2-10-32		
Genus <u>PITHECOLOBIUM.</u>							
2747	<i>P. besterium</i> ?	St Vincent	"		2- 4-32		T.#106
2965	<i>P. caribalumcardia</i>	Trinidad	"		2-24-32		
Genus <u>PLUMBAGO.</u>							
3674	<i>P. rosea</i>	Surinam		Plant	2- 3-32		
Genus <u>PLUMERIA.</u>							
2570	<i>P. obtusa</i>	Rum Key		Plants	1- 6-32		L.#
2602	<i>P. sp.</i>	Gr. Inagua	"		1-15-32		
2608	<i>P. obtusa</i>	Beata Isl.	"		1-18-32		E.#136
2627	<i>P. "</i>	Saona	"		1-17-32		
2766	<i>P. alba</i>	Mayero	"		2- 6-32		

U. S. GOVERNMENT PRINTING OFFICE: 1961

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus PLUMERIA, Continued

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2806	<i>P. rubra</i>	Granada	"		2-10-32		
3799	<i>P. alba</i>	Anguilla	"		3-16-32		
3900	<i>P. acutifolia</i>	Haiti	-11	Cuttings	3-27-32		
Genus <u>PORTLANDIA.</u>							
2825	<i>P. grandiflora</i>	Trinidad	"		2-12-32		D. #391
Genus <u>POTEOS.</u>							
2885	<i>P. sp.</i>	Trinidad		cuttings	2-14-32		
Genus <u>PROSOPIS.</u>							
2598	<i>P. juliflora</i>	Great Inauga	"		1-15-32		T. #110
Genus <u>PSEUDOPHOENIX.</u>							
2585	<i>P. sargentii</i>	Nassau Isl	"		1-10-32		L. #52 D. #69 T. #117-8
2619	<i>P. saonae</i>	Saona Isl	"		1-20-32		L. #69-70-72-101 108-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus PSIDIUM,

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
3807	P.sp.	Surinam	"		3-9-32		
Genus	^H <u>PTYCHORAPIS</u>						
2681	P. angusta	Dominica,			1-29-32		
2877	P. "	Trinidad		Plant	2-16-32		L.#206
Genus	<u>PTYCHOSPERMA</u>						
2678	P. macarthuriae	Dominica	"		1-29-32		L.#158-161
Genus	<u>QUASSIA,</u>						
3661	Q. amora	Sourinam	"		3-2-32		
3802	Q. "	Guadeloupe	"		3-13-32		
Genus	<u>RAJANIA,</u>						
2704	R. phioneura	Dominica	"		1-29-32		
Genus	<u>RANDIA,</u>						
2664	R. moussenda	Dominica-	"		1-28-32		
2994	R. "	Dominica	"		1-28-32		
		Trinidad	"		2-26-32		

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Genus RAPHIA,

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
3773	<i>R. vinifera</i>	Martinique	"		3-10-32		
Genus <u>RAVENALA,</u>							
2699	<i>R. guianensis</i>	Dominica		Plant	1-29-32		
3866	<i>R. "</i>	Surinam	"				D. #538
Genus <u>RAVENIA,</u>							
2872	<i>R. spectabilis</i>	Trinidad		Plant	2-16-32		
Genus <u>RENEALMIA,</u>							
2919	<i>R. ralrobifero</i>	Grenada	"		2- 9-32		
3665	<i>R. exaltata</i>	Surinam		Plant	3- 2-32		
3676	<i>R. "</i>	"	"		3- 3-32		
Genus <u>RHEEDIA,</u>							
2860	<i>R. macrophylla</i>	Trinidad			2-15-32		
Genus <u>RODRIGUESIA,</u>							
3659	<i>R. secunda</i>	Surinam	"		3-2-32		

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FOREIGN PLANT INTRODUCTION

Genus ROYSTONEA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2837	R.oleracea	Trinidad	"		2-13-32		
2839	R.boringuena	"	"		"		
Genus <u>SABAL,</u>							
2621	S.cansearum	Saona, Isl	"		1-20-32		D.#166-
2670	S.glauc ^G escens	Antigua	"		1-26-32		
2671	S.adansoni	Dominica	"		1-28-32		L.#135
2801	S.glaucescens	Grenada	"				L.#199
Genus <u>SAMANTHA,</u>							
2966	S.saman ^G	Trinidad	"		2-24-32		D.#467-33
Genus <u>SCHOMBURGKIA,</u>							
3660	S.undulata	Surinam	"		3- 2-32		
Genus <u>SCUTELLARIA,</u>							
2824	S.venlenati	Trinidad	"		2-13-32		

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Genus SEAFORTHIA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubern.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2589	<i>S. elegans</i>	Nassau, Isl	"		1-10-32		D. #50-1-2 L. #49
Genus <u>SECURIDACA,</u>							
3670	<i>S. diversifolia</i>	Surinam		Plant	3- 3-32		
Genus <u>SENNA,</u>							
3797	<i>S. abata?</i>	Anguilla	"		3-16-32		
Genus <u>SESAMUM,</u>							
2556	<i>S. indicum</i>	Nassau, Isl.	"		1- 2-32		
Genus <u>SICANA,</u>							
3772	<i>S. odorifera</i>	Martinique	"		3-10-32		
Genus <u>SMILAX,</u>							
2687	<i>S. sp.</i>	Dominica		Plant	1-29-32		

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FOREIGN PLANT INTRODUCTION

Genus SOLANUM.

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2741	S.sp.	St.Lucia	"		2- 3-32		
2946	S.macranthum	Trinidad	"		2-16-32		
Genus <u>STACHYTARPHETA.</u>							
2906	S.grandiflora	Trinidad	"		2-15-32		
Genus <u>STERCULIA.</u>							
2651	S.alata	Antigua	"		1-26-32		
2847	S.civirana	Dominica	"		2-13-32		
Genus <u>STIGMATOPHYLLON.</u>							
3850	S.lingulatum	Anguilla	"		3- 6-32		
Genus <u>STIZOLOBIUM.</u>							
2738	S.sp.	St Lucia	"		2- 3-32		
Genus <u>STYLOSANTHES.</u>							
2599	S.hamato	Gr. Inauga	"		1-15-32		

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FOREIGN PLANT INTRODUCTION

Genus SYZYGium.

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2851	¹ <i>S. jambolanum</i>	Trinidad	"		2-13-32		
3682	<i>S. curmine</i>	Surinam	"		3-2-32		D. #410 D. #510
Genus	<u>TABEBUIA,</u>	St. Kitts	"		1-24-32		
2646	<i>T. pallida</i>	St Kitts	"		1-24-32		
2647	<i>T. sp.</i>	Antigua	"		1-26-32		
2831	<i>T. pallida</i>	Dominica	"		1-29-32		
Genus	<u>TAMARINDUS,</u>						
2748	<i>T. indica</i>	Bequia, Isl	"		2-5-32		
2859	<i>T. arjuna</i>	Trinidad	"		2-13-32		
3790	<i>T. indica</i>	Saba	"		3-15-32		
Genus	<u>TEPHROSIA,</u>						
2721	<i>T. candida</i>	Dominica	"		1-29-32		
2770	<i>T. purpuria</i>	"	"		"		
2731	<i>T. toxicaria</i>	Surinam	"		3-1-32		

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus TERAMNUS, ?

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2927	T.sp.	Tobago, Isl	"		2-19-32		
Genus <u>TERMINALIA.</u>							
2857	T. ^l beiterica	Trinidad	"		2-13-32		
2859	T.sp.	"	"		"		
Genus <u>THEOBROMA.</u>							
2736	T.bicolor	Dominica	"		1-29-32		
Genus <u>THRINAX.</u>							
2636	T.sp.	St. Kitts	"		1-24-32		L.#102 D.#205
3686	T. "	Surinam	"		3- 4-32		
3689	T. "	"			"		
3740	T.barbadensis	Guadeloupe	"	Plant	3-11-32		*D.#279
3783	T. "	"	"		3-13-32		L.#279

U. S. DEPARTMENT OF AGRICULTURE
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FOREIGN PLANT INTRODUCTION

Genus TILLANDSIA

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T-Tubers.

COLLECTOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBARIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2644	<i>T. utriculata</i>	Conception.	"		1- 5-32		
2732	<i>T. sp.</i>	St. Lucia	"		2- 3-32		F. #1837 #11
2996	<i>T. "</i>	Trinidad	"		2-25-32		
3664	<i>T. "</i>	Tobago	"		2-20-32		T. #135 D. #
Genus <u>TRADESCANTIA,</u>							
3881	<i>T. sp.</i>	Surinam.		Cuttings	3- 5-32		
Genus <u>TRIBULUS,</u>							
2609	<i>T. cistoides</i>	Beata, Isl.	"		1-18-32		
Genus <u>TUPA,</u>							
2674	<i>T. persicifolia,</i>	Dominica	"		1-31-32		
Genus <u>UNDETERMINED.</u>							
2554	Vine	Nassau	"		1-1-32		
2559	"	"	"		1- 3-32		
2571	Shrub	Rum Key	"		1- 6-32		
2577		Nassau	"		1- 9-32		
2567	Shrub	Nassau	"		1- 2-32		

U. S. GOVERNMENT PRINTING OFFICE: 1955

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus UNDETERMINED, Continued.

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2594	Legume	Spanish Wells	"		1-10-32		
2595	Shrub	Nassau	"		1-12-32		
2613	"	Beata Isl	"		1-17-32		
2615	Vine	"	"		1-18-32		
2622	Tree	Saona	"		1-20-32		
2623	"	"	"		"		
2624	Shrub	"	"		"		
2525	Palm	Nassau	"		1- 1-32	See D. #15-16 & #413	
2637	"	St. Kitts	"		1-23-32	D. #204	
2640	Legume	"	"		"		
2654	Shrub	"	"		1-24-32		
2680	Tree	St. Eustatius	"		1-22-32		
2695		Dominica	"		1-29-32		
2700	Palm	St. Kitts	"		1-23-32		
2718		St. Lucia	"		2- 3-32		
2719		"	"		"		
2726	Tree	"	"		"		
2734	Legume	"	"		"		
2769	"	"	"		"		
2771	"	"	"		"		
2775	"	"	"		"		
2778	"	"	"		"		
2783	"	Bequia, Isl	"		2- 5-32		
2788	Tree	St. Kitts	"		1-23-32		
		Saona	"		1-20-32		

U. S. GOVERNMENT PRINTING OFFICE: 1944

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus UNDETERMINED, Continued. -3-

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2795	Legume	Granada	"		3- 8-32		
2797	Palm	"	"		2- 9-32		
2805	"	"	"		"		
2814	Legume	"	"		2-10-32		
2816	"	"	"		"		
2819	Tree	"	"		"		
2857	"	"	"		"		
2947	Aroid	Tobago	"	Cuttings	2-20-32		
2972	Tree	Trinidad	"		2-25-32		
3657	"	"	"		2-24-32		
2989	"	"	"		2-26-32		
2990	Vine	"	"		2-27-32		
2991	Tree	"	"		"		
2992	"	"	"		"		
2706	"	Dominica	"		2-23-32		
3707	Vine	"	"		2-27-32		
3708	Shrub	"	"		"		
3712	Tree	Trinidad	"		2-16-32		
3752	Vine	Martenique	"		2-10-32		
3755	Orchid	"	"	Plants	"		
3778	Tree	St. Lucia	"	Cuttings	3- 8-32		
3780	"	Guadeloupe	"		3-13-32		
3781	Shrub	"	"		"		
3782	"	"	"		"		

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus UNDETERMINED, Continued -4-

A—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

[illegible]

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus VANDA,

B—Bulbs.

C—Cuttings.

P—Plants.

S—Scions.

T—Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
2688	V.sp.	Dominica		Plant	1-29-32		
2835	V.teres	Trinidad			2-15-32		L.#221
2836	V. "	"			"		
2876	V. "	"		Plants	2-16-32		
Genus <u>VANGUERIA,</u>							
3762	V.edulus	Guadepoupe	"		3-11-32		
Genus <u>VICTORIA,</u>							
3688	V.regia	British Guiana	"	Plants	2-27-32		T.#104- D.#454-
Genus <u>VITEX,</u>							
2573	V.sp.	Nassau	"		1- 9-32		D.#63
Genus <u>WARSZEWICZIA,</u>							
2856	W.coccinea	Trinidad	"		2-13-32		D.#402
Genus <u>XANTHOSOMA,</u>							
3737	X.sagittifolium	Martinique		Plant	3-10-32		

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U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
FOREIGN PLANT INTRODUCTION

Genus XANTHOSOMA, Continued.

B-Bulbs.

C-Cuttings.

P-Plants.

S-Scions.

T-Tubers.

COLLEC- TOR'S NO.	NAME OF PLANT COLLECTED	SOURCE	AMOUNT AND KIND OF PLANT MATERIAL		DATE COLLECTED	HERBA- RIUM SPEC.	PHOTO. NO.
			SEED	VEGETATIVE			
3743	<i>X. sagittifolium</i>	Martinique		Plant	3-10-32		
3768	Xsp.	St. Lucia		"	3- 8-32		
Genus	<u>XYLOPIA</u> ,						
3681	<i>X. frutescens</i>	Sourinam	"		3- 3-32		F.#58174 D.#544
Genus	<u>ZEA</u> ,						
3691	<i>Z. mays</i>	Sourinam	"		3- 3-32		
Genus	<u>ZEPHYRANthes</u> ,						
2583	<i>Z. atamasco</i>	Nassau		Bulbs	1- 2-32		D.#230
Genus	<u>ZINGIBER</u> ,						
2891	<i>Z. officinalis</i>	Ttinidad		Roots	2-17-32		
2958	<i>Z. sp.</i>	Tobago		"	2-20-32		
Genus	<u>ZIZYPHUS</u> ,						
2781	Zsp.	Dominica	"		1-28-32		

Of the total number of plant introductions, 694, it is estimated that there are as follows.

ORNAMENTALS-----	333
PALM-----	75
LEGUMINOUS PLANTS-----	53
GRASSES-----	5
VEGETABLES-----	33
FRUITS AND NUTS-----	106
MISCELLANEOUS-----	89
TOTAL	694

In addition to the foregoing the expedition secured the following.

- 200 Alcoholic specimens, Plant and other material.
- 1,200 Herbarium sheets.
- 1,200 feet of motion pictures and
- 2,000 still pictures.

The Yacht Utowana, on this exploration trip, cruising from her base at New London, Conn., December 17, 1931, among the Leeward and Windward Islands to South America, British and Dutch Guiana, and back to base, arriving there the latter part of April, covered upwards of 8,144 miles. She called at 32 Islands and made something more than 44 anchorages.

Of the plant material noted above, 244 numbers, primarily of seed and other living plant material were sent by AIR MAIL EXPRESS, over the Pan American Airways, Inc. to Miami, Florida and by commercial mail from there to Washington, D.C. 114 numbers were sent by Steam Ship express to N.Y and Ry. Express from there to Washington, D. C. The Yacht delivered 313 numbers of plant and other material at the Washington Navy Yard, April 11, 1932,

Practically all of the expenses of the Expedition, excepting photographic supplies and the salaries of Dr. Fairchild, Mr. Loomis and Dorsett were borne by Mr. Allison V. Armour.

Allison V. Armour Agricultural Expedition, 1931-1932.

April 11, 1932.

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The following letter was received after my return to Washington, D. C.

U. S. Dept. of Agric.
Washington, D. C.
April 4, 1932

Mr. P. H. Dorsett,
care of Dr. David Fairchild,
4013 Douglas Road,
Coconut Grove, Fla.

Dear Howard:

I am enclosing a clipping from the Official Record. The film is at last out and available. We had it made not only in the standard size but also in the 16 mm. size for use with small projectors as there seem to be a good many of these in schools. I know that it will have a wide application.

We just had a letter from Erlanson and MacMillan saying that they were leaving April 1 from Chile to Peru. The air mail letter came from Santiago, Chile, together with specimens they needed immediate identification on and we received it about a week from the time it was mailed way down there in the southern hemisphere. The air mail is surely changing our plant exchange work a good deal and for the better.

I received a card from Mrs. Fairchild from Haiti. I wish I could have joined you all on the climb to the Citadel. I wish you could all have seen it from the air. It is visible for many, many miles away and the closer you approach it the greater it gets. It is a real monument to the old fellow who built it. I will be looking forward to a good chat with you when you get back about these many islands I wish so much I could have visited with you.

Very sincerely yours,

(Signed) Knowles A. Ryerson,
Principal Horticulturist in Charge.

KAR.NMB
Enc.

Monday April 11, 1932.

Copy of the clipping from the Official
Record.

"New Film On East Indian Plants.

"Agricultural Exploration in Ceylon, Sumatra and Java" is the title of a **New 2-reel** silent motion picture just released by the office of motion pictures, Extension Service. This picture, sponsored by the Bureau of Plant Industry, shows, in their native surroundings, many of the little-known, and interesting tropical fruits and ornamental plants which are being investigated by the bureau with a view to their possible introduction into the United States.

Dr. David Fairchild, principal agricultural explorer, Bureau of Plant Industry, was in charge of the subject matter, and he appears in several scenes. The photography was by J. H. Dorsett, another plant explorer of the bureau, who carried a motion-picture camera as a part of his equipment. The film was edited by Laura Thornburgh, office of motion pictures.

Activities of the plant explorers in Ceylon, Sumatra, and Java, in connection with their investigations of Bael fruit, Jack fruit, the Nawasa and King coconut, and other fruits, make scenes of interest and informational value. Unusual trees, such as the Palmyra palm and the Cannonball tree; operations in a tropical turpentine forest; and scenes of native life, foods, and industries also add interest. As a result of the bureau's foreign plant explorations, many plant species have been established in Florida, the Canal Zone and the West Indies.

The film is lent by the office of motion pictures free of charge, except for the transportation to and from Washington, D. C. Copies of the film made from the department's negative, can be bought for approximately the cost of the printing. Address all correspondence in regard to the department's films to the Office of Motion Pictures, The Department of Agriculture, Washington, D. C.

Tuesday April 12, 19321

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The following include the list of 100 spools of motion-picture used on this trip and also the number and footage of each shot, with a short description of the subject matter of each.

Spool #1,

Rousseau Dominica.

Shot #.

- 1--- 0 to 10 feet At about 35 feet distant from the subject matter. A general view in the Botanical Garden at Doménica. Near the city of Roseau.
- 2 11 to 22 feet, 6 feet distant, bright sun. Mr. Joseph Jones is holding a fruit bud of Dillenia indica.
- 3 23 to 32 feet showing a nice specimen of Cycas seemanii. Stop between 8 and 11.
- 4 33 to 40 feet, Stop, 8, more or less shadow. Showing a portion of a flowering and fruiting Cannon-ball tree Couroupita guianensis.
- 5 41 to 50 feet, Distance about 8' from object Shows mass of tree trunk flower and fruit stems also flowers of the Cannon-ball.
- 6 51 to 80 feet. A panoramic view, with sun shine and shadow in the botanical garden at Roseau, Dominica. some of the plants which appear in the picture are, Baikiaea Eminii, Abano St Christof? Tabebuia pentaphylla, Bambusa striata, Parmentiera cerifera, Poinciana regia, Carapa guianensis, Catalpa longissima, A group of palms, Sapium sp, probably, aucuparium.
- 7 81 to 1000, Panoramic view in the botanical garden at Roseau, Dominica. Some of the more important plants shown. Catalpa longissima, Areca rubra, Pithecolobium saman, Top of Morne Bruce, Bambusa vulgaris, Eucalyptus tereticornis, Talipot palm, Corypha umbraculifera. Cliff covered with natural creepers. Borassus flabelliformis, Bambusa nana, Bambusa spinosa, Bactris sp. Parmentiera cerfiera, Ixora sp. Poinciana regia.

Tuesday April 12, 1932.

Spool #2. Botanical Garden
Roseau, Dominica.

shots.

1--- 0 to 35 feet, In sunshine and shadow.

Panaramic view in another part of the garden.

Sabal, Sapium sebiferum, Oreodoxa oleracea,
Acanthophoenix rubra, Terminalia buceras,
Washingtonia robusta, Thrinax sp., Chrysal-
idocarpus lutescens, Dipsis madagascarsien-
sis, Chamaedorea sp., Thrinax dipsis, Phoe-
nix reclinata, Pithecolobium bertiana,
Latania loddigesii, Thrinax sp., Bambusa
siamensis, Pithecolobium saman.

2 36 to 59 feet, In sunshine and shadow, stop
16. A panarama view in another part of the
botanical garden at Roseau, Dominica Jan. 28, 1932.
Some of the more important plants are the
following.

Cocos nucifera, Acanthophoenix sp., Sabal
adansonii, Phoenix canariensis, Latania
loddigesii, 2 trees, Washingtonia robusta,
Astonia scholaris?

3 60 to 100 feet, A panaramac view showing a
large area of the garden and a goodly numb-
er of plants. Some of the more importations
follow.

Ficus benjamina, Tabebuia pentaphylla,
Catalpa ongissima, Pritchardia pacifica,
Shorea talura, Thyrsanolaena agrostis, Corypha
umbraculifera, Pritchardia pacifica, Cactus
sp., Euterpe edulis, Areca lutescens, Cas-
sia siamea, Euterpe edulis, Pritchardia
gandichandii, Stillingia sebifera, Raphia
flabelliformis, Corypha umbraculifera, In
foreground, Alstonia scholaris.

Wednesday Jan. 29, 1932

Spool #3 Botanical Garden, Roseau
Dominica.

1

0 to 18 feet, bright sun, stop 16, infinity.
Panoram view from the left up and then
down. It shows a cluster of palms. At right
Chrysalidocarpus lutescens, Spathodea campan-
ulata, in full bloom, Areca trianda, and a large
leaf sabal palm.

Tuesday April 12, 1932.

853

Spool 3 continued.

- shot
2---- 19 to 36 feet, A distant view, 50 or more feet. Bright sunshine, stop 22. A panoramic view of and over the botanical garden from Morne Bruce on the east looking westward over the city of Roseau, Dominica, January 29, 1932.
- 3---- 36 to 47 feet, Distance from scene about 50' bright sunshine, stop 22. A market scene in the market square in the city of Roseau, Dominica. January 30, 1932.
- 4---- A panoramic view of a portion of the city of Kingston, St Vincent. This shot was made from the deck of the yacht Utowana. Stop between 16 and 32, bright sunshine. Just back of the dock is the Old Famed botanical garden of St Vincent 47 to 65' Port of Spain Trinidad, Feb 12, 1932.
- 6---- 75 to 85 feet. 9:30 AM. Stop 16, bright sun View of Portlandia grandiflora, in front of the Governors Mansion at the edge of the botanical garden Port of Spain, Trinidad. The plant is in full flower. Mr. L. R Toy is at work nearby.
- 5---- 65 to 75 feet, Stop 11. A pink and white flowering shrub which is very handsome.
- 7---- Port of Spain, Trinidad. 85 to 100 feet of film. Bright sun, stop between 11 and 16. Panoramic view in the botanical garden. A general view with a pan up and down on a large Brazil nut tree.

Spool #4. Aboard the Utowana.

- 1---- View fairly nearby, showing Mr. Allinson V. Armour opening up a flowering spathe which when correctly accomplished makes a most unique and attractive table decoration. 0 to 15 feet of film.
- 2---- 16 to 42 feet of film showing practically the same as noted above, except that this view shows a more complete operation. Stop 16.
- 3---- February 22, 1932 aboard the yacht Utowana en route from Port of Spain to Georgetown British Guiana. 42 to 57 feet of film, stop 11, distance about 10 feet. The scene shows Dr. David Fairchild exhibiting a large Sapucaia nut, Lecythis zabucajo. The seed pod is some 8 inches across and fully as much or a little more in height.

Tuesday April 12, 1932.

Spool #4 continued.

Shot
4--- 57 to 60 feet of film, February 22, 1932. Stop 16. Distance about 50 feet. Scene, Dorsett making a nearby still picture.

5--- February 24, 1932. 68 to 75 feet of film distance about 50 feet. In the Botanical Garden at Georgetown British Guiana, Scene, Dr. Fairchild, Professor Martin and a native colored boy about a plant of the double coconut, Lodoicea seychelliarum or Coco-De-Mer.

6--- 73 to 90 feet of film, bright sun, stop 16, distance about 50 feet. The scene, A native colored boy walks into the tree of the double coconut and picks up one of the large nuts, some 40 pounds more or less in weight.

7--- 90 to 100 feet of film. Bright sun, Distance about 8 feet. This shows Dorsett holding one of the large nuts.

February 24, 1932.

Botanical garden, Georgetown British Guiana.

Spool #5.

1--- 0 to 11 feet of film. Distance about 8 feet. Scene the inflorescence of the male double coconut.

2--- 11 to 70 feet of film. Stop 16. Between 4 and 5 PM. A panoramic view in the botanical garden at Georgetown, British Guiana.

3--- 70 to 92 feet of film. Stop between 8 and 11. It is rather late and a little dark for good results. The scene is of a portion of a small lake and 2 good size clumps of Nipa palms at the water's edge.

4--- 92 to 100 feet of film. Stop 4. A close up view of a fruit cluster of the Nipa palm, Nipa fruticans.

February 25, 1932, About 8.35 AM.

Spool #6.

1--- 0 to 12 feet. In the botanical garden at British Guiana. Bright sun, stop 16, distance 50 feet or more.

Tuesday April 12, 1932.

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Spool #6 continued.

shot.

- 1--- Continued. A panoramic view, moving up and over the top of a fine specimen of a Ginger Bread Palm, Hyphaene thebaica. This specimen is near and at the back side of the office building at the botanical garden and is really a very fine specimen plant.
- 2--- 13 to 47 feet of film. Bright sun, stop 16, distance 21 feet. This shot includes several scenes of a native, a cripple making fiber flower pots.
- 3--- 47 to 53 feet of film. Bright sun, stop 11. A panoramic view of a very fine specimen clump of palms, Acocelorrhape arborescens. This wild Florida was planted here about 30 years ago and apparently is well adapted to the soil and climatic conditions.
- 4--- 53 to 100 feet of film. Several scenes of Manatees, or sea-cow's, in a lake in the botanical garden at Georgetown, British Guiana. eating grass and weeds from the hand of Mr. H. F. Loomis.

Spool #7.

- 1--- 0. to 19 feet of film. In the botanical garden, Paramaribo, Dutch Guiana, March 1, 1932 at about 5.15 PM. Stop 8. This is a panoramic view from a position to the West and looking eastward along a fine avenue of royal palms, Oreodoxa regia.
- 2--- 19 to 32 feet of film. Stop between 11 and 16. This scene shows Dr's David Fairchild and G. Stahel walking along a drive by a row of fine large trees of Enetrolobium cycloarpum, Devil's Ear, Mulatto's Ear. These trees are are 4 to 6 feet through and perhaps 75 feet in height. Dr. Stahel said that these trees are only about 20 years old.
March 2, 1932
- 3--- 32 to 50 feet of film. Bright sun, distance about 18 feet, stop 11. Scene at a palm fiber hat factory in Paramiabo, Dutch Guiana. Scene shows the preparation of the fiber.
- 4--- 50 to 63 feet of film. Stop about 11, distance about 18 feet. Hanging up the steamed fiber and getting it in shape to dry.
- 5--- 63 to 85 feet of film. Stop 8. Subdued light.
- 6--- 85 to 100 feet of film. Stop 3.5 inside view, shows girls weaving hats from the palm fiber.

Tuesday April 12, 1932.

Motion picture film, Spool #8.

Botanical garden, Paramaribo, Dutch Guiana. March 2, 1932.

Shot.

- 1--- Had trouble with the camera and it doubtful if any of the miscellaneous shots are any good.

March 3, 1932. Spool #9.

It was not practicable for me to note the footage of the various shots.

- 1--- View along a canal.
2--- Woman in a native illage, along the railway en route to the Surinam river, spinning cotton.
3--- Women under a house which is some 5 feet or such a matter above the ground on posts preparing palm fiber for use in hat making.
4--- Showing our special train of an engine and two coaches about ready to move and the exploration party getting aboard.
5--- Showing the exploration party at lunch in the open side diner. We stopped en route from Paramaribo to the Surinam river, in the wild for dinner.

March 3, 1932. Spool #10.

- 1--- View in a native village in the bush on the bank of the Surinam river. 0 to 43 feet of film.
2--- Friday March 4, 1932. 43 to 60 feet of film. Scene. A native walking toward a cluster of 2 tall palms in an open field. One of the palms has 3 nice clusters of fruit. Stop 11. A panorama from the ground up. This is some 25 miles out from the city of Paramaribo, Dutch Guiana.
3--- 60 to 74 feet of film. A panoramic view of a group of palms, *Mauritius flexuosa*. It this species of palm that the fiber is secured for the making of the fiber hats.

Tuesday April 12, 1932.

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Spool #10 continued.

Shot. 74 to 86 feet of film. Stop between 11 and 16. Scene
4-- a panoramic view of a fine specimen of a wine or oil
palm, *Oenocarpus* sp., in the open some 25 miles out
from Paramairabo, Dutch Guiana.

5-- 86 to 100 feet of film. Taken at Tivoli, Martinique,
March 9, 1932. It shows bamboo staging supporting
seedling mangoes up among the branches of mango trees
The young plants have been inarched upon the trees
they are under.

Saturday March 10, 1932.

Spool #11.

1-- 1 to 10 feet of film. The scene shows a stream of
water and natives washing cloths and men in the stream
getting sand from the bottom of the stream and filling
into small tubs or buckets and a woman carrying the
buckets of sand to the bank on her head.

2-- 10 to 24 feet of film. The scene is in a Catholic
Church yard on the road side in a small village en
rout to the dryer side of the island. It shows a nice
specimen of a cocos amera palm.

3-- 24 to I do not know how many feet of film. It is a
panaramac view of the plants in the church yard.

The other shots are not listed but one if not all the
balance are at Beata.

April 12, 1932;

Spool 12.

The entire footage was run off at the Navy Yard in
Washington D. C. It shows the varieous features and
operations incident to the unloading of plants from the
yacht Utowana while she was tied up to the warf in the
harbor of the Navy Yard.

April 12, 19321

The following is pretty near a complete list of the islands at which we called and also a goodly number of the people we met at each port of call. For some good reason which I do not recall at this time, January 9, 1936, I was not able to get the list of the people we met at a few of the smaller islands, but they were few.

Port of call.	Name and title of persons.
Anguilla, Island. B. W. I.	McFadyen, Dr. and Mrs. George. Roy, Mr. C.
Antigua "	St Johnson, Governor, Sir Reginald. Branch, Miss. Girls School. Charter, C. F. Grammar School. Box, Harold E. Sugar Factory till 1934, then Imperial Institute of Entomology, British Museum of Entomology, Cromwell Rd., London England.
Barbuda Island. B. W. I.	Moore, Mr. and Mrs. H. D. C. at Codrington village.
Cuba, Guantanamo Bay.	Johnson, Captain, L. F., and Mrs. Johnson, (Commandant) Mr. and Mrs. G. B. Keester, Commander and Captain of the Yard.
Georgetown, British Guiana.	Denham, Sir Edward and Lady, Governor. Rushbrooke, Aid. Mr. and Mrs. Douglas Jones, Colonial Secy. Roth, Dr. W. E. Museum. Harris, Joseph (Colored) Collector, care Dr. Roth. Seaford, Mr. and Mrs. F. J. Mr. and Mrs. Van Swearington, J. American Consul. Dr. Follett-Smith. Captain, Fawcett, Bandmaster. Mr. Martyn, Botanist. Mr. E. M. Walcott, Pan-American Agent. Plantation. Hope. Mr. and Mrs. David Mowat, (She is Mr. Walcott's daughter) Dr. F. G. Rose, Leaper Hospital, Mahaiica.

Tuesday April 12, 1932.

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List of Islands and names of people continued.

Port of call	People met.
Dominica. Isl. City Roseau. B.W.I.	Administrator, Mr. & Mrs. W.A. Bowring, and Miss Joan Bowring. Capt. and Mrs. Patrickson, Engineer. Mr. and Mrs. John E. Knowlton, Sylvanian. Andrew H. Green, Canefields. Stephen Howies. Joseph Jones, who made the B. Garden. Mr. and Mrs. Harcourt, Botanic Garden. Miss. Nichols, care Self Help, for lunch on the Morne.
Mathew Town Great Inagua Bahama Isl.	Mr. William Darville.
St George Grenada, Isl. B.W.I.	Govenor of the Windward Islands, Sir Thomas Vans Best. Mrs. Best His sister. The Earl of Sandwich, his brother-in-law, met with him at St. Lucia. Mr. and Mrs. Boeye. Best's daughter. aid Marescaux. American Consul McGilchrist. K.T. Rae, Botanic Garden.
Basse Terre, Guadeloup Isl. French West I.	Father Quentin. Alex Buffon, (Colored), Jardin d'Essai.
Pointe a Pitre Guadeloup Isl.	J. Corbin, Jardin d'Essai. Pierre Chanon, Ingenieur d'Agronomie.
Cay Haitien. Haiti	Mr. Fred C. Baker, of Port au Prince. American Vice-consul and Mrs. Corey F. Wood.
Fort de France Martinique. French W.I.	Am-Consul and Mrs. Wm. P. Robertson. Mr. Desire Kervegant Ingenieur adjoint.
Mr. Dogue, (Colored), assistant to Mr. Kervegant.	

Tuesday April 12, 1932.

List of Islands and names of people met. Contn.

Nassau, Dr. and Mrs. Chas. Sumner Dolley.
 New Providence, Capt. and Miss. Langdon-Jones.
 Bahama Isl. Dr. Joseph Albury.
 Mr. and Mrs. Donald Lawrence.
 Am-Consul and Mrs. Fisher.
 Mr. Mosley, Prop. book store.
 Mr. Chipman.
 Arthur Langlois, Village Rd. Box 640.
 Dr. T.E.H. Fisher, veterinarian.
 Mrs. Edward George.
 Mr. Cavelle, Sup. Colonial Hotel Gardens.

Spanish Wells Chas. Sweeting, vegetable grower.
 George Isl. Earnest Roberts.
 To the N. of Captain Albert E. Pinder.
 Nassau Mrs. L. Jenkins, of 110 E. 84th. St. N.Y.
 Mrs. Lester Wilson of Portchester N.Y.

Rum Cay.
 Bahamas. Mr. and Mrs. P.R. Dorset.
 Willford I. Dorset, son of the above.

Saba
 Dutch W.I. Administrator and Mrs. deBrauw.
 Miss. Hassell.
 Harbor-master Sloterdijk, Mrs. and Miss.
 Edward and Arlington Sloterdijk.
 Mr. Bolles, writing "Saba yhe Rock"

Orangetown
 St. Eustatius Administrator and Mrs. K.H.C.M. Krugers.
 Dutch W. I. Dr. Sardeman, Vet. Doc. of D.W.I.

St. Kitts.
 B.W.I. Administrator, D.R. Stewart, formerly of
 the Fiji Islands.
 Colonial Treasurer, Geo. C. Johnson
 R.E. Kelsick (Colored) La Garitte Exp. Sta.
 G.B. Gregory.
 Mrs. Dunlop's Hotel.
 H. Boon, Secy. of the Administration.
 Davis, Belmont Estate, near Mt. Misery
 Miss. Goodall, Barleys Bank.

St. Martin.
 Marigot Fr. Mr. Fleming.
 Phillipberg. Mr. Meiners.
 Dutch

St. Vincent.
 B.W.I. Mr. Jackson, Exp. Sta.
 Kingstown. Colonial Treasurer, Mrs. Otway.

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Tuesday April 12, 19321

List of islands and names of people met.

Port of call,	Names of people, cont.
Surinam, Dutch Guiana. Paramaibo.	Governor, Dr. Rutgers and Mrs. Rutgers. Aid, Capt. Brumer and Mrs. Brumer. Dr. G. Setahel, Botanical Garden. Am-Consul Mrs. James Swan Lawton. Mrs. S. H. Gonggripp.
Tobago Isl. B.W.I.	Mr. and Mrs. E.J.H. Thomas Man-of-war-bay.
Tortola Isl. B.W.I.	Commissioner, and Mrs. F.C. Clarkson. W. Cambell Roy.
Trinidad, Port of Spain. B.W.I.	Governor, Sir A. Claud Hollis & Lady Hollis Am-Vice-Consul in Charge, Capt. A. Demerest Nelson. Director of Agriculture, E.J. Worley and Mrs. Worley Assistant Director of Agric. S.M. Gilbert. Conservator, of Forests, R.C. Marshall and Mrs. Marshall. Director Botanical Garden, R.O. Williams and Mrs. Williams. J.G. Myers, St. Benedicts Monastery. H. Caracciola, care Geo. F. Higgins Co. Friend of Dr. L.O. Howard. E.A. Stockdale, Colonial Office, London, Eng. Mrs. Nora C. Fitt. W.E. Broadway, botinist. S.C. Harland, Empire Cotton Growing Corporation, Cotton Research Station.
Trinidad, St. Augustine. B.W.I.	Imperial College of Tropical Agriculture. Principal, Colonial Geoffrey Evans and Mrs. Evans. H.A. Ballou, Prof. of Entomology and Comm of Agric. J.A. Jones, Asst. Comm. of Agric. Ernest Entwisle, Chemest, Prof. Bot. & Genet. Frederick Hardy, Prof. Chem. & Soil Scie. Fredk Wm. Ulrich, Asst. Prof. Entomology. Ralph E. Hunter, lecturer in Botany. & Mrs Hunter.

Tuesday April 12, 1932.

There follows a Rand McNally 14 X 21 inch map of the WEST INDIES. Upon this I have traced as nearly as I could the route of the yacht Utowana going and returning. I have also noted upon this map the date of call and departure at each port.

This displays rather graphically the extent of the cruise of the yacht Utowana and the Allison V. Armour Agricultural Expedition, Leaving Miami Fla. December 29, 1931 and returning there April 2, 1932 and at the dock in the U. S. Navy Yard, Washington, D. C. April 9, 1932.

This was a great trip and a most wonderful experience and a large and most interesting lot of plant material and photographs was secured.

This report of P. H. Dorsett one of the members of the Expedition was roughed out during the cruise on the yacht Utowana but it's typing was not completed until today December 10, 1935, almost 5 years later and some 40 months after his retirement from Government service.

Report completed with pictures in place
ready for indexing February 11, 1936. D.

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^{179.1} Reference to this palm is also found on page 176 of the travelogue, as it was spotted when the expedition reached the island of Beata. It refers to *Coccothrinax ekmanii* Burret, a Hispaniola endemic. See travelogue photos 57754, 57770, 57775–57777, 58271, 58274–58279.

^{179.2} It refers to *Gossypium* sp. (Malvaceae). Five germplasm samples were collected during this visit (*Fairchild* 16 – *Fairchild* 20, USDA Plant Introduction numbers 98764–98768).

^{179.3} See travelogue photo of grass thatched house on page 191 (photo 57763) of the travelogue.

^{179.4} This collection was accessioned under USDA Plant Introduction number 96514 (*Fairchild* 2627). *Plumeria obtusa* (Apocynaceae) forms a species complex occurring in the Caribbean Islands, Central America, and Mexico (Tiernan et al. 2021). See travelogue photo 57764.

^{180.1} It refers to *Consolea moniliformis* (L.) A. Berger ssp. *moniliformis* (Cactaceae), a taxon endemic in Hispaniola and Puerto Rico (Areces-Mallea 1996). See travelogue photos 57753 (page 182) and 57765 (page 193). Germplasm of this species was collected during this visit (*Fairchild* 2604, USDA Plant Introduction number 96512).

^{180.2} It refers to *Canavalia rosea* (Sw.) DC. (Fabaceae), a species with a wide coastal distribution in the Tropics and Subtropics (Mendoza-González et al. 2014). Plant material of this species was collected during this visit (*Fairchild* 2612, USDA Plant Introduction number 97758, US herbarium specimen barcode number 00874978).

^{180.3} We could not identify this species.

^{180.4} Travelogue photo 57762 (page 191) depicts these pelicans.

^{180.5} See travelogue photos 57771 (page 195) and 57772 (page 196).

^{181.1} The monotypic genus *Armouria* Lewton (Malvaceae) was described based on collections made during this expedition (Lewton 1933). Its species *A. beata* Lewton (accepted name *Thespesia beatensis* (Urb.) Fryxell) is endemic to Beata (Fryxell 1968; Acevedo-Rodríguez & Strong 2012). See travelogue photos 57766–57768 (pages 193–194), 58268–58269 (pages 641–642). Plant material of this species was collected during this visit (*Fairchild* 2617, USDA Plant Introduction

number 98417, US herbarium specimen barcode numbers 00101879, 00101880, 00849839).

^{182.1} See note 180.1.

^{183.1} See note 179.1.

^{184.1} See note 179.1.

^{184.2} See note 180.5.

^{184.3} It refers to *Morisonia flexuosa* L. (Capparaceae), a species from the New World Tropics and Subtropics. Plant material of this species was collected during this visit (*Fairchild* 2607, USDA Plant Introduction number 98478, US herbarium specimen barcode number 00862334). See travelogue photo 57761 (page 190).

^{185.1} It has been identified as *Tillandsia utriculata* L. (Bromeliaceae), a species from the Caribbean Islands, Florida, Mexico, Central America, and northern South America (Acevedo-Rodríguez & Strong 2012). Germplasm of this species was collected (*Fairchild* 2610). See travelogue photos 57755 (page 187) and 57756 (page 188). Also, see note 187.1.

^{185.2} Germplasm sample *Fairchild* 2606 refers to a collection of *Stegnosperma cubense* A. Rich. (Stegnospermataceae), a species from Mexico, Central America and the Caribbean Islands (Bedell 1980) and not to a Celastraceae sample as indicated in the travelogue. We believe that this entry, actually, is for the Hispaniola endemic *Maytenus reynosoides* Urb. (Celastraceae), and it was collected in Beata (*Fairchild* 2613) during this visit (USDA Plant Introduction number 97291, US herbarium specimen barcode number 00848715). Travelogue photos 57757 (page 188) and 57758 (page 189) refer to this species as well.

^{185.3} One collection of *Tribulus cistoides* L. (Zygophyllaceae) was made in Beata (*Fairchild* 2609). This is an exotic species from the Old World.

^{185.4} It refers to the Hispaniolan endemic *Ipomoea desrousseauxii* Steud. (Convolvulaceae), a species that was collected during this visit (*Fairchild* 2611, USDA Plant Introduction number 96508, US herbarium specimen barcode number 00792870). Travelogue photo 57759 (page 189) is also for this plant.

^{185.5} One collection of the Neotropical species *Indigofera suffruticosa* Mill. (Fabaceae) was made during this visit (*Fairchild 2616*, USDA Plant Introduction number 98996, US herbarium specimen barcode number 00865438). Another collection was made during the second visit to this island on March 23 (*Fairchild 3875*).

^{186.1} See note 179.2.

^{187.1} It appears that the plant shown in this photo is for *Tillandsia utriculata* L. (Bromeliaceae). A collection of *Bromelia* sp. (*Fairchild 2610*) was made during this visit, and this sample could refer to this entry. Travelogue photo 57756 (page 188) is also for this species. The species distribution area extends to Florida, Caribbean Islands, Mexico, Central America and northern South America.

^{188.1} See note 187.1.

^{188.2} See note 185.2. Travelogue photos 57757 (page 188) and 57758 (page 189) are for this species.

^{189.1} See note 185.2. Travelogue photos 57757 (page 188) and 57758 (page 189) are for this species.

^{189.2} See note 185.4.

^{190.1} One herbarium collection of *Clusia rosea* Jacq. (Guttiferae) was made during this visit (US herbarium specimen barcode number 00769637). This is a Neotropical species.

^{190.2} See note 184.3.

^{191.1} See note 180.4.

^{191.2} See note 179.3.

^{192.1} See note 179.4.

^{193.1} See note 180.1.

^{193.2} See note 181.1.

^{194.1} See note 181.1.

^{195.1} See note 179.1.

^{195.2} See note 180.5.

^{196.1} See note 180.5.

^{196.2} The Neotropical species *Guaiacum sanctum* L. (Zygophyllaceae) was not collected during the expedition. Also, see travelogue photo 57774 (page 197).

^{197.1} See note 196.2.

^{197.2} See note 179.1.

^{198.1} See note 179.1.

^{199.1} It refers to the Hispaniolan endemic *Pilosocereus polygonus* (Lam.) Byles & G.D.Rowley (Cactaceae). No collection of this species was made during this visit.

^{202.1} See notes 179.1 and 181.1.

^{203.1} Cotton (*Gossypium* sp.) was collected in Saona (*Fairchild 21*, USDA Plant Introduction number 98763).

^{203.2} It refers to the Caribbean palm *Pseudophoenix sargentii* Sarg. (restricted to Cuba, Hispaniola, Bahamas, Dominica, the Florida Keys, and Yucatan) and *Sabal causiarum* (Cook) Becc. (confined to Hispaniola, Puerto Rico, Anegada) (Zona, 1990, 2002). Travelogue photos 57786–57790 (pages 207–209) and 57793–57794 (pages 210–211) are for *P. sargentii*. Plant material of *S. causiarum* (*Fairchild 2621*, USDA Plant Introduction number 96489) and *P. sargentii* (*Fairchild 2619–Fairchild 2620*, USDA Plant Introduction number 96487) was collected during this visit.

^{203.3} It is likely to refer to *Passiflora suberosa* L. (Passifloraceae) a species that was collected during this visit (*Fairchild 2625*, USDA Plant Introduction number 97776, US herbarium specimen barcode number 01193832). This is a species from the Tropics and Subtropics of the New World.

^{205.1} It is likely to refer to *Myrcianthes fragrans* (Sw.) McVaugh (Myrtaceae), a Neotropica species, native to Saona. Material of this species was not collected during the expedition.

^{206.1} We could not identify this species.

^{206.2} See note 203.1.

^{207.1} See note 203.2.

^{208.1} See note 203.2.

^{209.1} See note 203.2.

^{209.2} It is likely to refer to *Echites umbellatus* Jacq. (Apocynaceae), a species from South Florida, Mexico, Caribbean Islands and Central America that was collected during this visit (*Fairchild s.n.*, US herbarium specimen barcode numbers 00783040, 01193832).

^{210.1} See note 203.2.

^{210.2} See note 203.2.

^{211.1} See note 203.2.

^{382.1} Joseph L. Mahoney was the Principal Clerk of the Unit of Foreign Plant Introduction (Bureau of Plant Industry, USDA).

^{382.2} Peter Liu was an interpreter who worked with Dorsett during his expeditions to China (Francisco-Ortega unpublished).

^{383.1} This station was known initially as the Department of Agriculture's St. Clair Government Farm. It was acquired by the colonial government in 1879, but in 1898 became the St. Clair Experiment Station after much of the land was sold off or diverted to other uses, mostly for residential and recreation purposes. The remnants were offices and research infrastructure for the Experimental Station. Much of the Department of Agriculture's offices in Port of Spain date from this time (Campbell 1988). The Royal Botanical Gardens (Port of Spain) and a Herbarium reference collection predated the Experimental Station (established in 1818). With the collapse of the sugar industry in Trinidad and Tobago in the period of 1870-80 (Pemberton 2004), the station started to experiment with potential crop species secured by the Botanical Gardens via local collections and overseas networks such as Kew Gardens to try and revitalize agriculture in Trinidad, Tobago, and the region (Campbell 1988). The Station was part of a network of stations throughout Trinidad and Tobago, the wider Caribbean, institutions in the United Kingdom such as the Royal Botanic Gardens in Kew and

throughout the Empire. Plant material was exchanged between stations for evaluation of suitability to local conditions, and if proven, distribution to local growers. The St. Clair Experiment Station was on the edge of the rapidly growing capital of Trinidad, Port of Spain, and was progressively taken over for other land uses and parks for the people. The Queen's Park Oval and the "Magnificent Seven" Mansions of the Trinidad Cocoa Barons were constructed on land excised from the Station (1885-1904). The upscale neighborhood of St. Clair now covers much of the land of the Station but remnants remain, such as several offices of the Ministry of Agriculture.

^{383.2} The Royal Botanic Gardens, Trinidad (also known as Botanic Garden of Trinidad) were founded in 1818 and had David Lockhart as their first director. They are among the oldest botanic gardens of the Caribbean and had close ties with the Royal Botanic Gardens, Kew in England (Harrington 2018). Also, see note 383.1.

^{389.1} Throughout the entirety of the Caribbean expedition, a movie was made, and a total of 12 motion-picture reels were shot (Dorsett 1836: 851–857). Unfortunately, these films have not been found and it appears that they were lost after the voyage.

^{389.2} We could not locate biographical information on Mr. S. M. Gilbert (Assistant Director of the Experiment Station).

^{389.3} It refers to Edward Jocelyn Wortley (ca. 1884, Jamaica?–1942, Barbados). He was Director of Agriculture in Nyasaland (Africa) and Bermuda, and in 1930, he became Director of Agriculture of Trinidad; he was also Governor of the Imperial College of Tropical Agriculture of Trinidad (Anonymous 1942).

^{389.4} It refers to Robert Orchard Williams (1891–1967) who was director of the Royal Botanic Gardens, Trinidad (see note 383.2) between 1922 and 1934. He wrote plant family treatments for the flora of Trinidad and Tobago (see list of family treatments in Stafleu & Cowan: 322–323) and on the economic botany of the island (Freeman & Williams 1927).

^{390.1} It refers to David Lockhart (?–1846) who was the first director of the Botanic Garden of Trinidad (see note 383.2). Prior to this appointment, D. Lockhart performed field work in Africa and was one of the few survivors of the ill-fated

expedition to the Congo River (year 1816) led by James H. Tuckey who had the Norwegian botanist Christen Smith as its main botanist (Brown 1818: 66).

^{391.1} It refers to *Calliandra tergemina* (L.) Benth. (Fabaceae). No collections of this Neotropical (natural distribution range: Mexico to Venezuela, and native in Trinidad) species were made.

^{392.1} It refers to *Cordia alliodora* (Ruiz & Pav.) Oken (Boraginaceae). One collection (Fairchild 2863, USDA Plant Introduction number 97842, US herbarium specimen barcode number 02890298) of this Neotropical species (native in Trinidad) was made in this botanic garden during this visit.

^{393.1} It refers to *Jacaranda caerulea* (L.) J.St.-Hil. (Bignoniaceae), an introduced species in Trinidad whose natural distribution range is Bahamas, Cuba, and Hispaniola. This species was not collected during the expedition. In contrast, the South American species *J. obtusifolia* Bonpl. (introduced in Trinidad) was collected in this botanic garden (Fairchild 2901, USDA Plant Introduction number 98555, US herbarium specimen barcode number 03204790).

^{395.1} *Cocos plumosa* also known as queen palm (*Syagrus romanzoffiana* (Cham.) Glassman) is an introduced palm in Trinidad whose natural distribution range is from Brazil to Argentina. Plant material of this species was not collected during the expedition.

^{395.2} It refers to the climbing Asian palm *Calamus rotang* L., a species known as “common rattan” that is a major resource for furniture and hand-crafted items. No collection of this species was made during the expedition.

^{396.1} It refers to *Bertholletia excelsa* Bonpl. (Lecythidaceae) a South American species (introduced in Trinidad). No collection of this species was made during the expedition.

^{397.1} According to Baksh-Comeau et al. (2016) *Peltophorum linnaei* (Fabaceae) refers to the exotic *Caesalpinia violacea* (Britton & Rose) Standl. [accepted name *Coulteria cubensis* (Greenm.) Sotuyo & G.P.Lewis], a species with a natural distribution range from Southeastern Mexico to Honduras, Cuba, Aruba and Curacao. No collection of this species was made during the expedition.

^{398.1} It refers to the Venezuelan species *Lecythis ollaria* L. (Lecythidaceae). No collection of this species was made during the expedition; however, collections of *L. pisonis* Cambess (*Fairchild 2841*, US herbarium specimen barcode number 03043473) and *L. zabucajo* Aubl. (*Fairchild 2841*) were made in this botanic garden during this visit.

^{399.1} No collection of *Ficus benjamina* L. s.s. (Moraceae), a species from Australasia, was made in the botanic garden. However, material of *F. benjamina* subsp. *comosa* (Roxb.) Panigrahi & Murti. was collected (*Fairchild 2874*) in an unknown site of Trinidad during the expedition. A common park tree in Trinidad today.

^{400.1} It refers to the African species *Camoensia scandens* (Welw.) J.B.Gillett (Fabaceae), the species was collected in the botanic garden during this visit (*Fairchild 2897*, USDA Plant Introduction number 97953).

^{401.1} See note 400.1.

^{402.1} It refers to the Jamaican endemic *Portlandia grandiflora* L. (Rubiaceae), the species was collected in the botanic garden during this visit (*Fairchild 2825*, USDA Plant Introduction number 97577).

^{405.1} It refers to the Indian species *Phanera vahlii* (Wight & Arn.) Benth. (Fabaceae), the species was collected in the botanic garden during this visit (*Fairchild 2827*, USDA Plant Introduction number 98803, US herbarium specimen barcode numbers 00317025, 00317026).

^{406.1} It refers to *Pimenta racemosa* (Mill.) J.W.Moore (Myrtaceae), a Caribbean Island – Venezuelan species that is doubtfully native to Tobago. No collection of this species was made during the expedition.

^{407.1} See note 383.1.

^{408.1} See note 398.1.

^{410.1} The depicted palm is tentatively identified as *Sabal yapa* Becc., a species from Cuba and Yucatan that was not collected during the expedition.

^{411.1} The juvenile palm depicted in this photo is difficult to identify; however, it appears to be an individual of *Attalea* sp.

^{412.1} One collection of *Ochrosia* sp. (Apocynaceae) was made in this botanic garden during this visit (*Fairchild 2845*, USDA Plant Introduction number 97981).

^{413.1} See note 411.1.

^{414.1} It refers to *Warszewiczia coccinea* (Vahl) Klotzsch (Rubiaceae), one collection was made in the botanic garden (*Fairchild 2856*, USDA Plant Introduction number 97986, US herbarium specimen barcode number 02363004) during this expedition. This is a Neotropical species that is native to Trinidad.

^{415.1} *Lagerstroemia speciosa* (L.) Pers. (Lythraceae) is an Asian species, and one collection was made in the botanic garden during this visit (*Fairchild 2855*, USDA Plant Introduction number 97980, US herbarium specimen barcode number 01099053).

^{417.1} *Mesua ferrea* L. (Calophyllaceae) is an Asian species that was not collected during the expedition.

^{419.1} It has been tentatively identified as *Heliconia bihai* (L.) L. (Heliconiaceae). The natural distribution range of this species encompasses Mexico, Caribbean Islands (including Trinidad), and Northern South America. No collection of this species was made during this visit.

^{420.1} *Syzygium malaccense* (L.) Merr. & L.M.Perry (Myrtaceae) is an Asian species and it was collected in the botanic garden during this visit (*Fairchild 2890*, USDA Plant Introduction number 99534).

^{422.1} See note 389.4

^{425.1} *Couroupita guianensis* Aubl. (Lecythidaceae) is a Neotropical species (introduced to Trinidad). No collection was made in the botanic garden; however, material was collected in Port of Spain during this visit (*Fairchild 2904*, USDA Plant Introduction number 98550)

^{425.2} It refers to *Ceiba pentandra* (L.) Gaertn. (Malvaceae), a species from West Africa and the Neotropics (native to Trinidad). No collection of this species was made during the expedition.

^{426.1} See note 425.1.

^{427.1} The tree depicted in this photograph is the rain tree or saman (*Samanea saman* (Jacq.) Merr, Fabaceae). This species, which is widely used in neotropical gardens, has a natural distribution area of Central America, Colombia, Ecuador, and Venezuela. This particular individual is still found in this botanic garden. No plant material of this species was collected during the expedition.

^{428.1} *Centrolobium paraense* Tul. (Fabaceae) is a Neotropical species (introduced to Trinidad). One collection was made in this botanic garden during this visit (*Fairchild 2844*, USDA Plant Introduction number 97977, US herbarium specimen barcode number 02363004).

^{429.1} It seems to refer to the Reunion Island endemic palm *Hyophorbe indica* Gaertn. *Hyophorbe verschaffeltii* (J.Dix) H.Wendl. is known as the spindle palm, but the depicted individual does not have a spindle-shaped trunk. No collection of this species was made during the expedition.

^{430.1} One collection (*Fairchild 2840*, USDA Plant Introduction number 97543) of the Brazilian palm *Attalea spectabilis* Mart. (Arecaceae) was made in this botanic garden during this visit.

^{431.1} No collection of *Hevea brasiliensis* (A.Juss.) Müll.Arg. (Euphorbiaceae) was made during the expedition. The rubber tree is a South American species that has been introduced to Trinidad. The tree depicted in this photo is historically relevant as it appears to be part of the original progeny the 70,000 seeds that were brought from Brazil to the Royal Botanic Gardens, Kew in 1876. Over 2800 of these germinated yielding small trees that were distributed to the colonies, particularly Sri Lanka and Singapore. The material introduced in Asia provided the foundations for the spread of this crop in the Old World (Schultes 1993).

^{431.2} See note 389.4

^{432.1} One collection of the South American species (introduced to Trinidad) *Lecythis zabucajo* Aubl. (Lecythidaceae) was made in this botanic garden during this visit (*Fairchild 2889*, USDA Plant Introduction number 99584).

^{432.2} See note 389.4.

^{432.3} See note 432.1

432.4 This collection of *Lecythis zabucajo* (Lecythidaceae; *Fairchild 2963*, USDA Plant Introduction number 98047) was made in an unreported site of Trinidad.

433.1 No collection of the Australasian species *Alstonia scholaris* (L.) R.Br. (Apocynaceae) was made during this trip.

435.1 One collection of *Centrolobium paraense* Tul. (Fabaceae) was made in this botanic garden during this visit (*Fairchild 2844*, USDA Plant Introduction number 97977, US herbarium specimen barcode number 02150136). This is a South American species introduced to Trinidad.

439.1 See note 420.1.

440.1 Two collections of the Neotropical species (native to Trinidad) *Pachira insignis* (Sw.) Savigny (Malvaceae) were made in the Maracas Valley during the visit to Trinidad (*Fairchild 2862*, US herbarium specimen barcode number 01226529; *Fairchild 2988*).

441.1 One collection of the Neotropical vine species (native to Trinidad) *Norantea guianensis* Aubl. (Marcgraviaceae) was made in the Aripo Savanna during this expedition (*Fairchild 2884*, USDA Plant Introduction number 99606).

444.1 See note 398.1.

445.1 It is believed that the island of Tobago provided the British novelist Daniel Defoe the inspiration for the island where the fictional figure of Robinson Crusoe was stranded after his ship capsized in a storm.

446.1 We were unable to identify these people.

451.1 See note 446.1.

451.2 It refers to the Neotropical species (native to Tobago) *Diospyros inconstans* Jacq. (Ebenaceae), this species was collected in Tobago, Pigeon Hill (*Fairchild 3697*, USDA Plant Introduction number 97935).

451.3 See note 452.1

452.1 The depicted species has been identified as *Aechmea dichlamydea* Baker (Bromeliaceae). This species is restricted to Tobago, Trinidad, and northeastern Venezuela. No collection of this species was made during the expedition.

^{453.1} See note 451.2.

^{454.1} One collection of *Euterpe oleracea* Mart. was made in Tobago during this visit (*Fairchild 2955*, USDA Plant Introduction number 97813). This Neotropical palm is also native to Tobago.

^{455.1} See note 463.1

^{457.1} Probably *Monstera* sp.

^{458.1} It refers to the Neotropical species (native to Tobago) *Costus scaber* Ruiz & Pav. (Costaceae). Plant material was collected in Tobago during this visit (*Fairchild 2958*, USDA Plant Introduction number 99986, US herbarium specimen barcode number 00340744).

^{458.2} We could not identify this species.

^{459.1} It refers to *Apeiba schomburgkii* Szyszyl. (Malvaceae), a species naturally occurring from Trinidad to South Tropical America. One collection was made in Tobago during this visit (*Fairchild 2945*, USDA Plant Introduction number 97834, US herbarium specimen barcode number 00530029).

^{460.1} The tree depicted in this photo has been tentatively identified as the non-native *Erythrina poeppigiana* (Walp.) O.F.Cook (Fabaceae, natural distribution range in Tropical South America). No material of this species was collected during the expedition. This tree is used extensively in Trinidad and Tobago as a shade tree in cocoa plantations.

^{463.1} It refers to *Caularthron bicornutum* (Hook.) Raf. (Orchidaceae), a species with a natural distribution range from Trinidad-Tobago to northern Brazil and Colombia. One collection was made in Tobago during this visit (*Fairchild 2943*, USDA Plant Introduction number 100279).

^{464.1} *Entada polystachya* (L.) DC. (Fabaceae) was collected in Tobago during this visit (*Fairchild 2944*, USDA Plant Introduction number 97960, US herbarium specimen barcode number 02211589). This is a Neotropical species, native to Trinidad and Tobago.

^{465.1} It refers to *Clathrotropis brachypetala* (Tul.) Kleinhoonte (Fabaceae), a species naturally occurring from the Lesser Antilles to northern South America. No material of this species was collected during the expedition.

^{467.1} See note 432.4.

^{468.1} See note 432.4.

^{631.1} Frank Cecil Clarkson was the Commissioner of the British Virgin Island between 1926 and 1934 (Old Government House Museum 2022).

^{631.2} Seven collections of mango were made in Tortola during this visit (*Fairchild 3816, Fairchild 3818, Fairchild 3819, Fairchild 3826, Fairchild 3831 – Fairchild 3833*), and all of them reached the USDA germplasm repositories.

^{631.3} See note 179.1.

^{631.4} See note 179.1.

^{633.1} See note 631.2.

^{634.1} It refers to *Coccothrinax* sp. (Arecaceae), a genus from the Caribbean Islands, Florida Keys, and Yucatan.

^{635.1} Cultivar “kidney” of mango was collected in Tortola during this visit (*Fairchild 3833*, USDA Plant Introduction number 9960698416)

^{637.1} See note 179.1.

^{638.1} See note 179.1.

^{638.2} See note 181.1.

^{639.1} See note 179.1.

^{641.1} See note 181.1.

^{642.1} See note 181.1.

^{642.2} It is likely to refer to the Hispaniola endemic *Maytenus reynosoides* Urb. (Celastraceae). Material of this species was collected in Beata during this visit (see further details in note 185.2).

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